

# THE TECHNOLOGY REVIEW



PRESIDENT'S DRIVEWAY

BY SAMUEL CHAMBERLAIN, '18

APRIL 1927

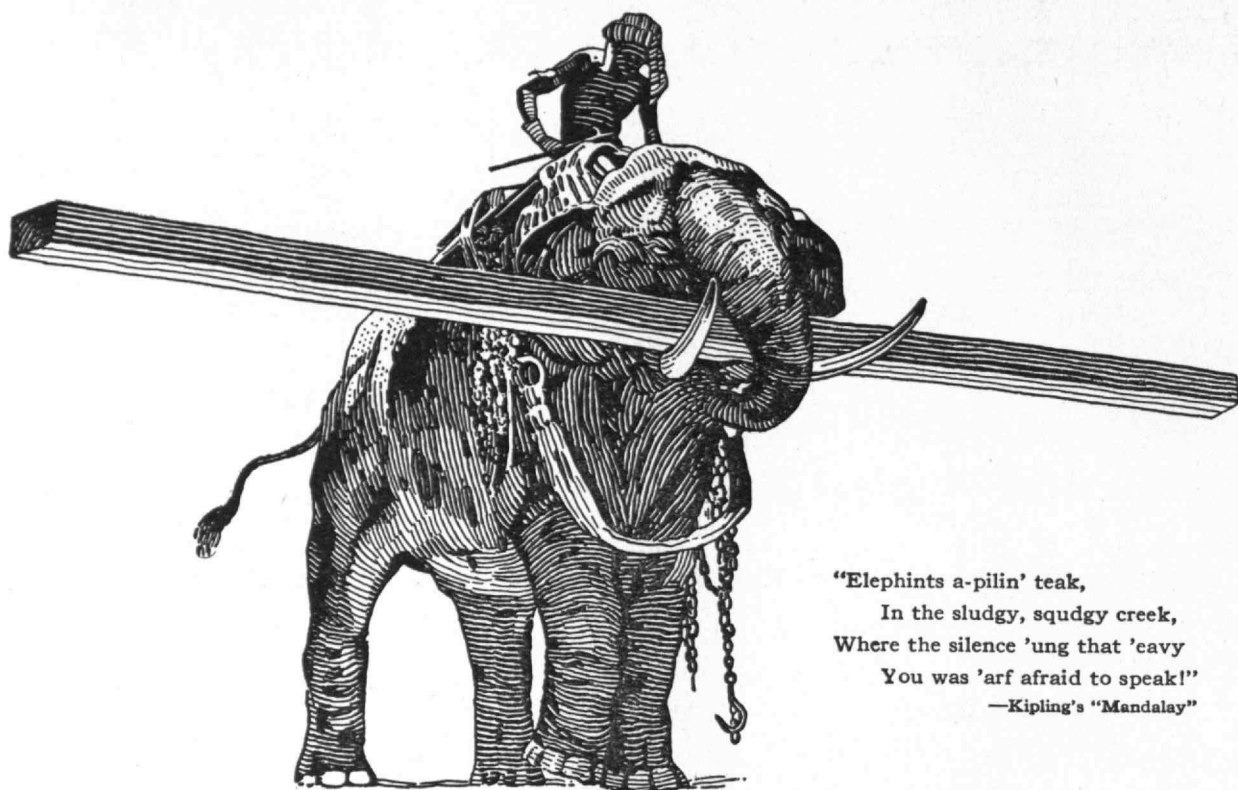
RELATING TO THE  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

# technology review

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"Elephants a-pilin' teak,  
In the sludgy, squidgy creek,  
Where the silence 'ung that 'eavy  
You was 'arf afraid to speak!"  
—Kipling's "Mandalay"

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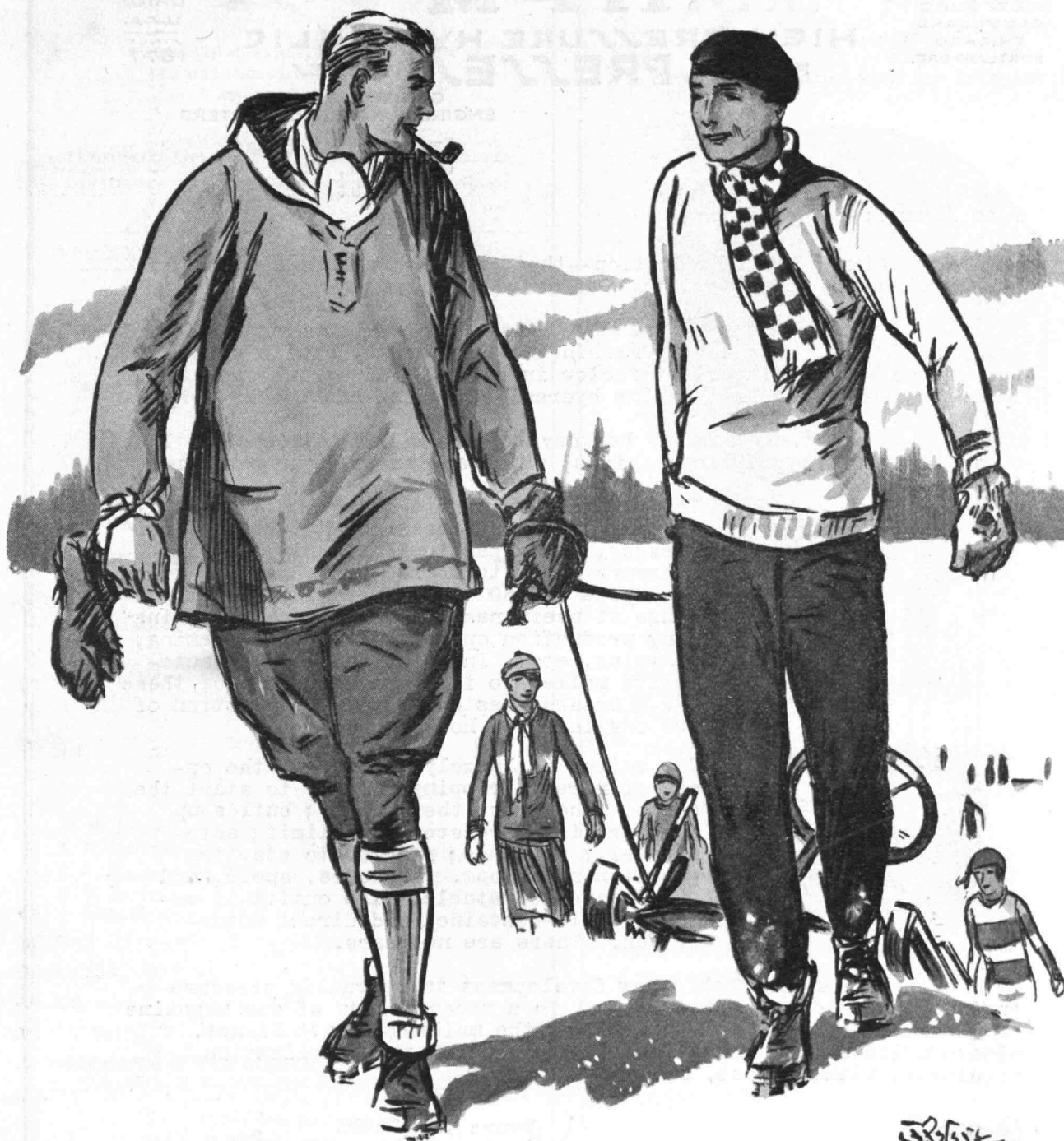


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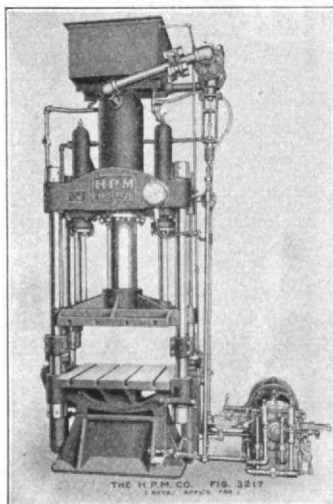
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Yours for Tech.

*Howard F. MacMillin*  
II-21.

Howard F. MacMillin,  
Vice-Pres. in charge of Sales  
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# The TECHNOLOGY REVIEW

Relating to the Massachusetts Institute of Technology

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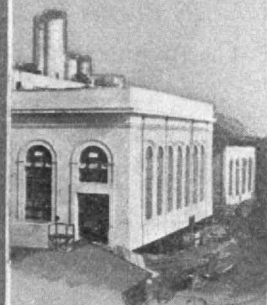
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# The TECHNOLOGY REVIEW

VOLUME 29

APRIL, 1927

NUMBER 6

## The Trend of Affairs

### *Tuition Increase*

CONCLUDING the Report of the Treasurer, Everett Morss, '85, for the fiscal year ending June 30 last, was a statement quoted in The Review for November, 1926, that "... the question of a further increase in the tuition fee must be given serious consideration by the Corporation." That this recommendation has received serious consideration was evinced, on March 9, when the Corporation at its regular meeting voted a tuition raise, to take effect September, 1928, of \$100, making a total yearly fee of \$400.

The new rate of \$400 is to include undergraduate dues and all laboratory fees; consequently the actual increase will amount, not to a full \$100, but to approximately \$70, since at the present time the students pay the nominal tuition fee of \$300, an average laboratory fee of \$20, and a student tax of \$10, or a total of \$330. The present income from a student covers but 41 per cent of his expenses; the new income will cover slightly over 50 per cent unless the per capita expense figure also jumps.

The Institute tuition figure, in 1906, raised from \$200 to \$250 and, in 1919, to \$300, has not kept pace with increasing operating expenses, for, as The Review pointed out in its issue of last November, operating

expenses have increased 388 per cent since 1909, while the income from students has increased but 292 per cent. Nor will the increase, when it takes effect in the autumn of 1928, make the percentage paid by the students commensurate with what they paid in 1909 when they contributed 63 per cent of the total operating expenses (including interest on plant investment).

In announcing the increase, President Stratton stated that its primary purpose was to provide a higher salary schedule for the instructing staff, since it was becoming increasingly evident that the Institute, to attract men to teaching in competition with industry, would have to pay more generously. He further stated that "marginal students," who would find difficulty in paying the higher tuition figure, will probably be provided for, or assisted by, loans.

### *Public Service Institute*

GATHERING at Technology as this issue of The Review goes to press are the members of the Public Service Institute, being held March 16, 17 and 18 under the auspices of Technology and the Massachusetts Civic League "to discuss the significance to the community of every form of public service and the necessity of trained personnel for effective administration."



JAMES F. NORRIS

*Professor of Organic Chemistry, he delivered the last of the Popular Science Lectures March 11, 12, 13 on "Some Chemical Discoveries and Their Effect on Modern Life"*

*From a lithograph  
drawn for The Review  
by Kenneth  
Reid, '18*



©Harris and Ewing

## CHAIRMAN

*James P. Munroe, '82, of the committee in charge of the Public Service Institute, the meetings of which began as this number of The Review went to press*

The keynote of the conference is to be sounded at the opening dinner at the Hotel Somerset on the evening of Wednesday, March 16, when James P. Munroe, '82, chairman of the committee, will explain the purpose of the meetings. President Stratton is to preside and the general topic will be the "Social Significance of the Public Service." Governor Alvan T. Fuller is to speak for the Commonwealth of Massachusetts; Mayor Malcolm E. Nichols of Boston for the municipality; and Joseph Lee, President of the Massachusetts Civic League, for the citizen. In addition there are to be addresses by Clarence C. Little, President of the University of Michigan; William C. Deming, chairman of the United States Civil Service Commission; and Charles A. Beard.

Five round table discussions, at which the delegates will get down to brass tacks, will begin and run concurrently the next morning. The first, on public service, is to be led by Harrison P. Eddy of Metcalf and Eddy; the second, on "Administration of Street Cleaning and Disposal of Community Waste," by William A. Bassett, Professor of Municipal and Industrial Research at Technology; the third, on public health, by Samuel C. Prescott, '94; the fourth, on "The Division of Function between Public and Private Agencies," by Mrs. Ada Eliot Sheffield, social worker; the fifth, on crime, by Herbert C. Parsons, Deputy Commissioner of Probation.

At noon the delegates will lunch in Walker Memorial and discuss "Community Planning and Traffic Regulation." In the afternoon there is to be a general meeting on "The University and the Public Service" at which three college presidents will speak — John A. Cousens of Tufts, Dr. Little of Michigan, and Dr. Stratton — with a fourth, Daniel L. Marsh of Boston University, presiding. Huntington Hall in Rogers will be the setting for the evening meeting on "The Taxpayer and the Public Service," at which Roland W. Boyden, unofficial delegate to the Reparations Commission, will preside, and Henry M. Waite, '90, will speak.

Friday morning is set aside for four more round tables: on child health problems, "How to Obtain the Right Personnel," public purchasing, and "The Investigating Expert in the Administration of Government." The leaders of these meetings will be Clair E. Turner, '17, Associate Professor of Biology and Public Health at Technology; Arthur N. Holcombe, Professor of Government at Harvard University; Dr. Stratton; and Eliot Wadsworth, formerly Assistant Secretary of the Treasury. Carroll W. Doten, Professor of Political Economy at Technology, will preside at Friday's luncheon which will conclude the conference.

*Progress of the Dormitories*

DEAN BURTON has returned. Called to Paris on personal matters, he none the less found it possible to continue his activities as manager of the campaign for additional dormitories at Technology. At a meeting held in Paris during February, arranged by Philip V. Stoughton, '24, over which Alexander S. Garfield, '86, chief engineer of the French Thomson-Houston Company and Consulting Engineer for the General Electric Company, presided, and George Gibbs, '00, Canon of the American Pro-Cathedral of the Holy Trinity, and Gelett Burgess, '87, of fame as one of Technology's few litterateurs, were among the assembled. Dean Burton outlined the plans of campaign for the benefit of the European contingent, and returns to report that even so distant an alumni organization as that in Paris is genuinely enthusiastic.

Immediately upon his return to this country, Dean Burton appeared at the meeting of the Institute Corporation, held on March 9, and at the request of President Stratton reported progress. Like all bodies which have been privileged to hear Dean Burton, this one, too, voted approval of the progress; indicated likewise that it approved his advocacy of the early commencement of construction for which funds are already in hand.

*The 125th Meeting*

A FULL meeting it was, this 125th of the Alumni Council, held at Walker Memorial on February 25. To one rapidly ageing observer it would seem only the night before last that Walter Humphreys got the watch at the celebrated Centennial Meeting, yet here is the Council one quarter along the path toward another century of meetings, and another watch for somebody. Candor compels the admission, however,



that if future Council Meetings spin themselves out to the length of this latest example, a grandfather clock will be a more appropriate emblem of endurance. For a few moments on this evening it seemed likely that the 126th meeting would be scheduled to begin before there was any chance of ending the 125th.

The attendance of the meeting struck the mean average figure of fifty-five, including members and guests, including also Elisha Lee, '92, President of the Alumni Association, who journeyed from Philadelphia to preside. Punctuating the salad came an oration by Thomas C. Desmond, '09, President of the Technology Clubs Associated, President of the Technology Club of New York, proponent of the National Technology Center idea, nominee for Term Membership on the Corporation. The skillful way wherein Mr. Desmond will aim to combine the functions of his four present offices or designations are set forth more at length in the story next below. We leave him, therefore, to consider Orville B. Denison, '11, who, brimming with splendids, drenched in wonderfals, welling over with magnificents, and in general well plethorized with the pluperfect, spoke on the trip to the Middle West and New York State, which, as Secretary-Treasurer, he had just completed. So much for that.

Assuming then the *alter ego* of Clerk of the Council, Mr. Denison minuted some changes in Council personnel for the replacement of three resignations. Charles E. Fogg, '06, succeeds Wallace C. Brackett, '95, as representative from Portland, Maine; Arthur L. Shaw, '09, replaces Carl W. Gram, '09, as representative for the Class of '09; Cleon R. Johnson, '11, succeeds Robert T. Haslam, '11, to guard the interests of a constituency in Akron, Ohio. Since the Messrs. Brackett and Gram were likewise members of the Council sub-committees, Mr. Denison further announced that the Executive Committee had appointed John O. Holden, '24, to succeed Mr. Gram on the Committee of Assemblies until 1931, and that E. E. Kattwinkel, '23, would replace Mr.

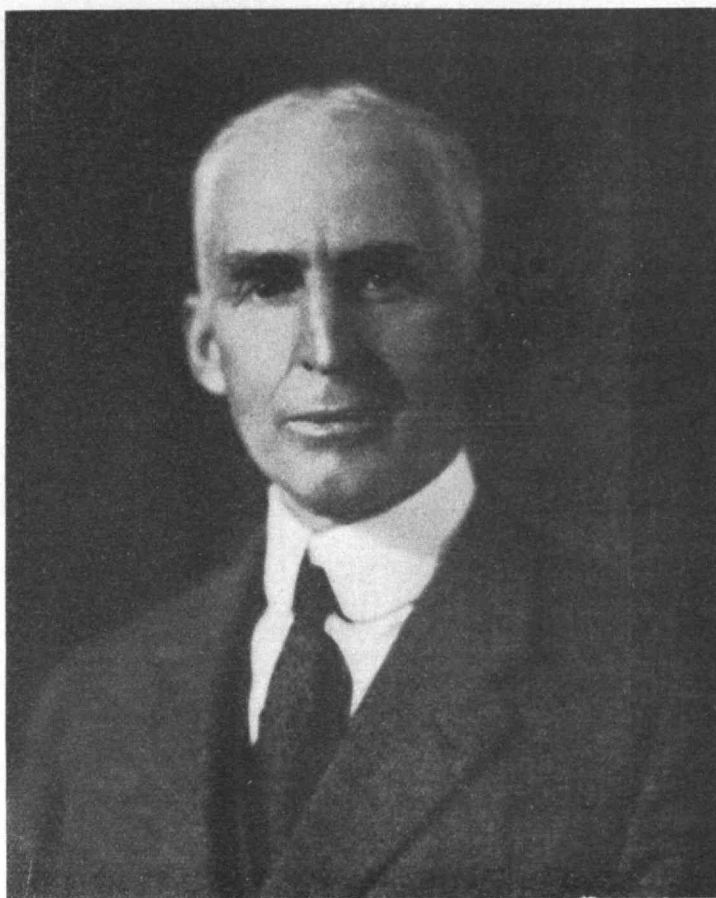
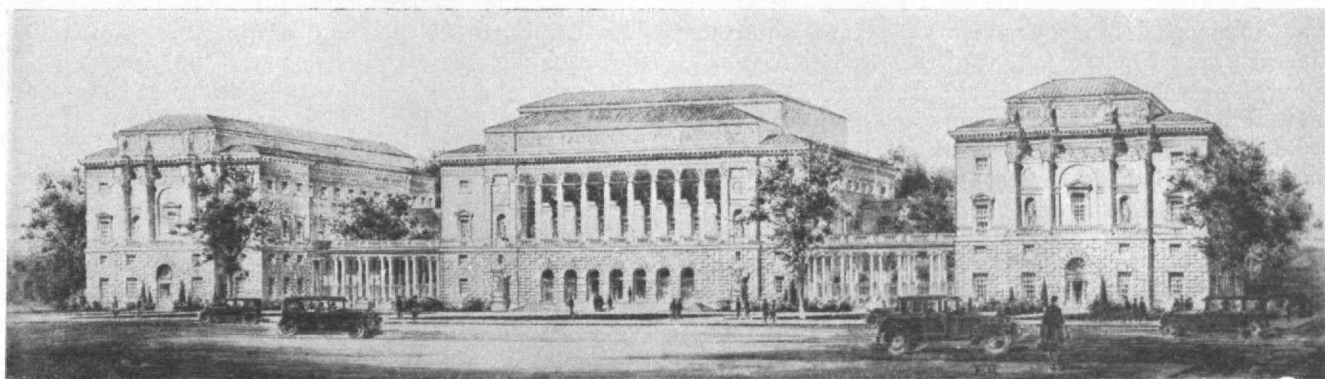


Photo by Lippincot

#### CHARLES A. BEARD

*He took a prominent part in the Public Service Institute and with Clarence C. Little, President of the University of Michigan, was one of the principal speakers at the opening dinner. He is an economist and historian of note*

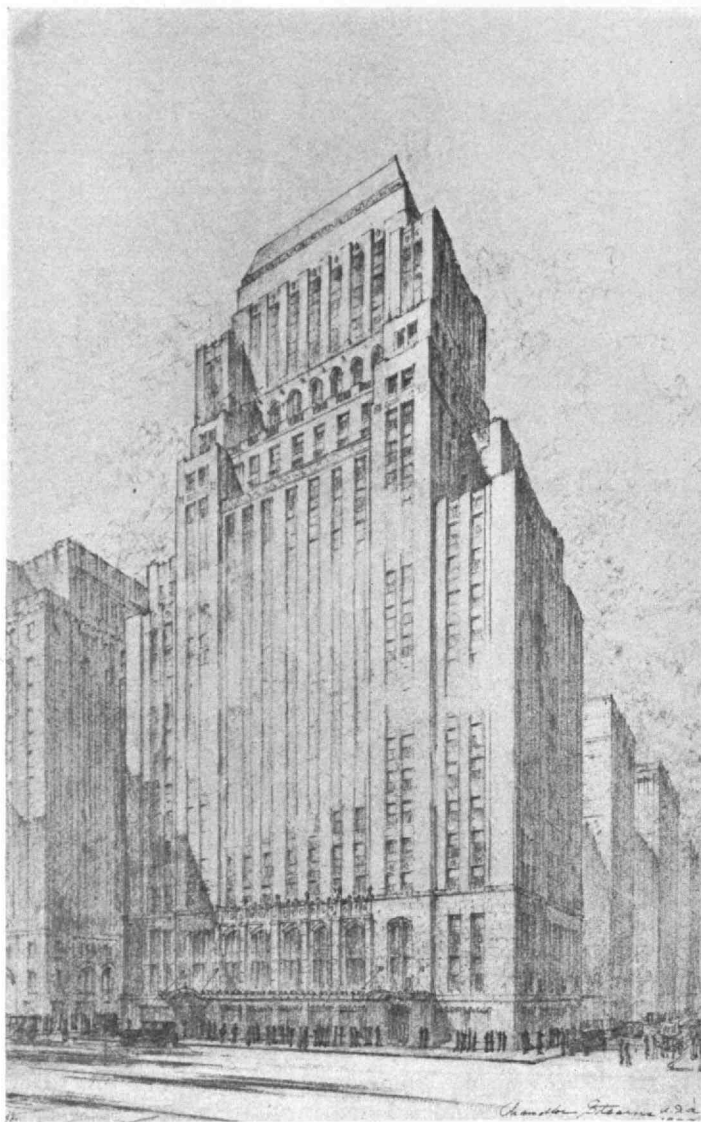
Brackett on the Nominating Committee until 1928. Two special committees had, in addition, been appointed by President Lee, one of them consisting of Henry F. Bryant, '87, Vice-President of the Association, and Mr. Denison, whose title, if the minutes are to be taken seriously, will be "To Confer with the Executive Committee of the M. I. T. Women's Association, whose



#### ANOTHER WAR MEMORIAL

*Proposed group of three buildings to be built upon the block bounded by Boylston, Clarendon, Newbury and Berkeley Streets, the present site of the Rogers and Walker buildings and that of the Museum of Natural History. The central building, an auditorium, is suggested as the Commonwealth's War Memorial, that on the right as a Natural History Museum, that on the left as an Art Center. The design is by William T. Aldrich, '01*





PROPOSED TECHNOLOGY CENTER

*As Chandler Stearns, '17, envisions the National Technology Center in New York which is being so effectively advocated by Thomas C. Desmond, '09, President of The Technology Clubs Associated*

President, Miss Gretchen A. Palmer, '18, Had By Invitation Been Present at the Executive Committee Meeting and Had Stated That the Latter Organization Was Anxious to More Actively Coöperate with the Alumni Council in the Affairs of the Alumni Association." This committee, it would seem, will have its hands full. The other has, by comparison, a simpler task: Samuel C. Prescott, '94; Charles F. Park, '92; Leicester F. Hamilton, '14; Donald C. Stockbarger, '19; and Robert H. Smith will, by designation, coöperate with the Undergraduate Committee in charge of this year's Open House celebration, scheduled for the afternoon and evening of April 30. There came then the report of the Nominating Committee for 1927-28 candidatures, and the slate recorded in the March issue of *The Review*, as headed by Professor Prescott for President, was formally presented and enthusiastically received.

Following which the evening resolved itself into a matter of speeches and addresses. Dr. Stratton gave details on his mid-west visit, the itinerary of which was

particularized in *The Review* for March. Professor Ross F. Tucker, '92, head of the new Course (XVII) in Building Construction, presented a paper outlining his plans for undergraduate instruction in the "Art of Assembling Materials of Building." Few times in recent years has the Council been treated to so deft and thoroughgoing, so plausible and convincing a summary of new instructional work. Professor Tucker, the moments made clear, is not only a building constructor of long and successful experience, but will be able to look forward to a career of no less luster in preaching the elements of his practice to Institute undergraduates. It was to be regretted only that several members of the Council took advantage of the occasion of discussion later offered to make a few side-swipes at the honorable profession of architecture, forgetting apparently that the building constructors have to their credit several hideous examples in Boston and elsewhere which eloquently testify to their helplessness without the services of architectural design; testifying that they are just as helpless as is the architect without the coöperation of the practical builder.

The evening closed, somewhat gradually, during the course of an address by Professor William A. Bassett, now head of the newly created Division of Municipal and Industrial Research, who spoke upon a topic described as the "Application of engineering knowledge to the problems of government, industry and commerce in the interests of social and economic growth and progress."

### *Money No Object*

**S**ALAD was, in accord with custom, served at the One Hundred and Twenty-Fifth Meeting of the Council, and its appearance was, likewise in accord with custom, the cue for Mr. Lee to introduce the Salad Orator, Thomas C. Desmond, '09, President of the Technology Clubs Associated. He submitted further details of progress on the plans for the National Technology Center to be located in the Grand Central Terminal district of New York and, subsequent to the Council Meeting, a sketch of the proposed structure was prepared by Chandler Stearns, '17. His drawing is reproduced in the adjoining column on this page.

"During the past few months," said Mr. Desmond, "I have been getting most encouraging responses from Alumni all over the country. Not only do the men located in Boston and Chicago, who frequently visit New York on business, seem to realize that a great outpost of Technology located in New York will help them to maintain and develop their acquaintance with other Technology men, but that it will actually enable them to transact their business in the metropolis more advantageously. The Indiana Association and the Technology Clubs of Akron, Buffalo, Niagara Falls, Lake Superior, Eastern New York, the 'Twin Cities' and Mexico City have already passed formal votes endorsing the plan in principle."

The general idea of the National Technology Center

as explained in a comprehensive article by Mr. Desmond in *The Review* for last July has not been changed. It is to be a combination club and office building of between twenty and twenty-five stories containing, in addition to general club facilities such as lounging rooms, restaurant and sleeping accommodations, office and conference rooms for the temporary business uses of out-of-town Alumni, offices for the convenience of President Stratton and members of the Faculty, a national personnel service and a New York headquarters for the Alumni Association. The balance of the building, not required for the above purposes, will be rented for commercial offices, Institute graduates and former students to be given preference in the allotment of such space.

Mr. Desmond's proposal is unique in one respect: he seems to exhibit no concern over where the money is to be obtained. He says emphatically that there will be no general financial appeal and promises that "if there is a real demand from the Alumni for this building, I believe I know where we can secure the necessary money. What we are endeavoring to discover now is, do the Technology Alumni from various parts of the country outside of New York want such a building and will they use it when they come to New York if we build it?"

By the time of the New York Convention of the Technology Clubs Associated to be held on Friday, June 10, and Saturday, June 11, as announced in the last issue of *The Review*, Mr. Desmond expects to have received the endorsement of still more of the Technology Clubs and his proposal will doubtless receive thoroughgoing discussion at the business sessions on Friday morning and afternoon.

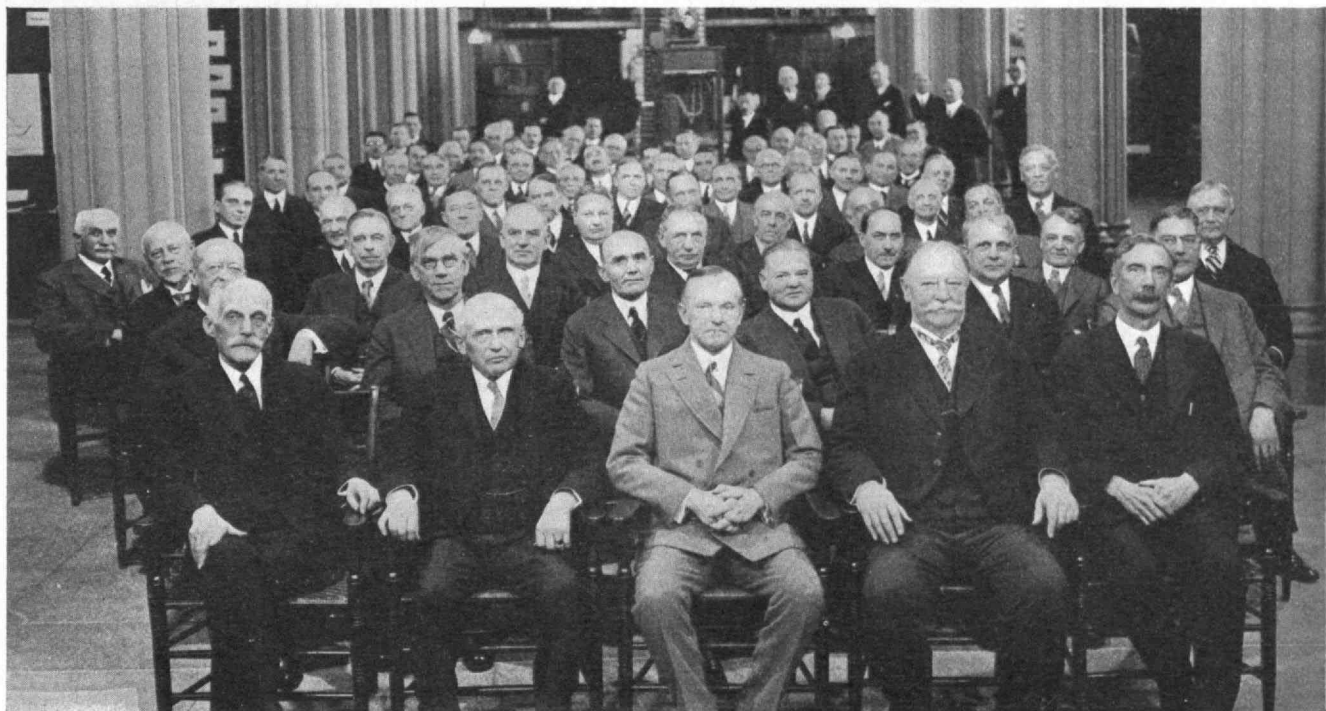
## Deaths

**F**EW are the teachers who reach that apogee in their profession where they make an unforgettable impression upon their students, few who effect so admirable a synthesis of, to use Walter Pater's terms, knowledge and power. Harvard has had her Henry Adams, her William James, her Barrett Wendell; the Johns Hopkins her G. Stanley Hall, her Gilman; Technology has had her Rogers, Cross, Nichols, Sedgwick, Wendell, Chandler, and others.

One of these, Fred Parker Emery, died on January 16. From 1887 to 1891 he was an instructor in English Literature at the Institute. In 1918-19 he obtained a leave of absence from his professorship at Dartmouth to teach here again for a single year. It was during those early years of teaching that he made for himself a place among Institute Alumni that few other men have achieved. The Class of 1893 elected him an honorary member, then an unprecedented Class action in Technology history. It was a member of that Class who wrote of him:

"At a technical school such as Technology it seems hard to arouse an interest in a cultural subject. This perhaps makes Professor Emery's accomplishment while with us the more remarkable. However, we should not fail to appreciate the secret of his success and profit by it in all of our teaching as well as all of our learning here at Technology. Teaching and learning cannot be done with an anvil and a hammer. They must be done with mind and soul. Inspiration and high ideals are what we want and not mere knowledge; public service and usefulness, not tables and charts."

Russell Robb, '88, Vice-President, Treasurer and a



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## SMITHSONIAN CONFERENCE

*Met to consider the future of the unique Smithsonian Institution, on February 11, President Coolidge and his Cabinet together with some fifty other leaders of the nation and prominent scientists, heard Charles G. Abbot, '94, Acting Director (front row, right end), tell of its accomplishments and aims. Back to the left may be seen Dr. Stratton, partly obscured. See the story on page 347*



Director of Stone and Webster, Inc., died on February 15 at the age of sixty-three. Born in Dubuque, Iowa, in 1864, he was graduated from the Institute and three years later joined the organization with which he was to spend his career. He became a member of the firm in 1905 and, with its incorporation in 1920, became senior Vice-President. He wrote several works on business and engineering topics, and was a director of many business bodies ranging from the Cape Breton Electric Company, Ltd., to the El Paso Electric Company, and from the Puget Sound Power and Light Company to the Key West Electric Company. He was a trustee of the Free Library in Concord, Mass., where he maintained a summer home. On February 23,

his will was filed in the Middlesex Probate Court. It provided for a \$25,000 gift to the Institute.

Another associate of Stone and Webster, Inc., George J. Baldwin, '77, died March 7, in Baltimore. He organized many southern public utility electric companies, was President of the Pacific Mail Steamship Company and Chairman of the Board of the New York Shipbuilding Company and the American International Shipbuilding Company (builders of Hog Island Shipyard and ships). In his home town of Savannah, Ga., he was President of the Savannah Electric Company, had interests with cotton factors and fertilizer concerns, and was founder and director of the Kate Baldwin Free Kindergarden Association.

### Twenty-five Years ago in The Review

Issue: April 1902

**EDITORIALS:** "Two articles in the current Review draw special attention to the question of museums: the digest of the *Conservatory Journal* directly, by its plans for a huge museum modelled after the Crystal Palace; the address of M. Mabilleau indirectly, by the fact that he is the distinguished director of the *Musée Sociale*. The Technological Museum was to have been an important section of the Massachusetts Institute of Technology; but the School of Industrial Science, with its rapid growth and its always urgent needs, has wholly eclipsed this feature of the original plan. Meanwhile the museum as a factor in education has lost the prominence which it possessed forty years ago. As a conspicuous protest against that subjective teaching which relied solely upon books, those objective collections were needed then. . . ."

**CORPORATION NOTES:** At the 292d Meeting it was determined, "that the tuition fee shall be increased to \$250 for students entering after 1902, in view of the present and expected financial needs of the Institute and the high cost of instruction." Appointments were confirmed as follows: Arthur L. Goodrich, '98, and Roy G. Burnham, '00, as Assistants in Mechanical Engineering.

**FACULTY NOTES:** "Two large committees of the Faculty have been occupied during the present year, one in studying plans for reorganization of the administrative work of the school, the other in making a thorough examination of the curriculum. . . . The administrative changes are likely to involve, first, due provision for closer attention, by the officers of the Faculty, to the needs of students as men in their various personal and social relations; second, a greater sub-division of duties and responsibilities now concentrated in the hands of the Secretary of the Faculty."

As had been previously predicted in The Review for January, 1902, the Institute's acceptance of membership in the College Entrance Examination Board "has now been formally tendered; and Professor Tyler (H. W., '84) has been appointed to represent the Institute as a member of the board."

### Ten Years Ago in The Review

Issue: April 1917

**CAPTAIN HAROLD S. WONSON, '07,** just returned from service with the National Guard on the Mexican Border, addressed the Fifty-Sixth Meeting of the Alumni Council held at the Engineers Club, February 26, 1917. His topic was "Service in the Militia," and he plead for compulsory military service, if the United States should enter the World War. Professor William H. Walker also spoke before this meeting of the Council, giving a report of the newly-organized School of Chemical Engineering Practice, and Isaac W. Litchfield, '85, made a report of progress for the Committee on the Mobilization of Technology's resources.

**AN** account of the Fifty-Seventh Meeting held on March 26, 1917, was also included in the April, 1917, issue.

On motion of Henry A. Morss, '93, "it was voted that the Council of the Alumni Association is in favor of universal military training and . . . that the secretary be instructed to send at once to all Massachusetts members of the Association a petition to the President and the Congress for suitable legislation to bring this about."

Just before adjournment Fred H. Hunter, '02, "raised the question as to whether or not The Technology Review is of such character as to fill our needs and suggested that it might be changed to a bi-weekly or weekly publication."

**EXTRACT** from a resolution adopted by the Faculty and printed in the issue:

"Resolved, That the Faculty . . . hereby records its desire to assist and cooperate with the President and the Congress of the United States by affording every opportunity for students to enter for sufficient reasons the service of the United States before the end of the term."

"In order that its seniors may be available for military and civil service, it is voted that the candidates for graduation who were clear at the time of the declaration of war, upon entering the service of the country, be excused from further exercises of the term, and be at once recommended for their degrees. It is further voted that the case of other seniors be referred to the Committee on Faculty Business with power to act. . . ."

### The Fight for Everest

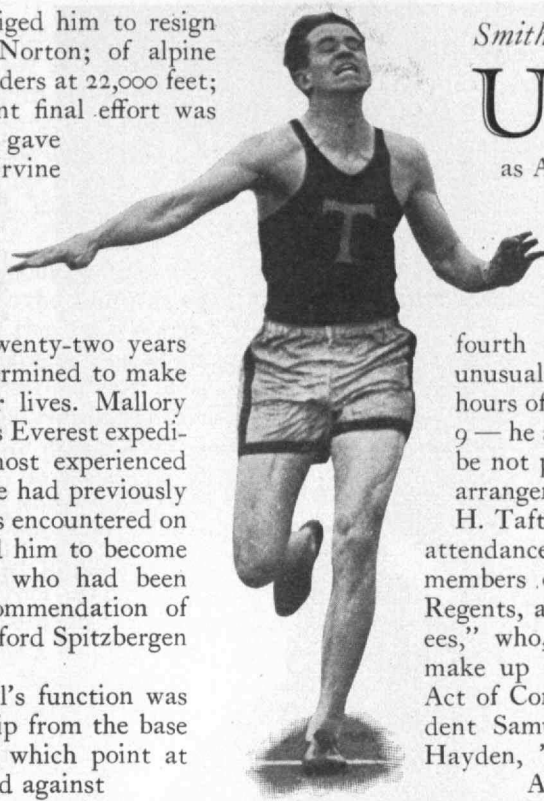
**THRICE** — in 1921, 1922 and 1924 — have Europeans attempted to scale Mt. Everest, mightiest of the Himalayas and loftiest in the world — a peak towering nearly 9,000 feet above Mt. McKinley, highest altitude of North America, and, piling Pelion upon Ossa, over two and a half miles above Mont Blanc, the topmost point of Europe. Last March 7, N. E. Odell, geologist and glaciologist of the 1924 expedition, and a member of the 1922 expedition, who lived over twelve consecutive days at or above the North Col (an altitude of over four and one-quarter miles above the level of the sea) and who was the last man to see Mallory and Irvine alive, spoke before the Faculty Club at luncheon.

He told of the march of the dozen Europeans with seventy porters under the command of Brigadier General C. G. Bruce of the Indian Army from Darjeeling where they assembled, up through the forests of Sikkim and across the tablelands of Tibet; of the special passports from the Dalai Lama (for Everest like Fujiyama is a "sacred mountain"); how the holy Lama of the dagola at Rongbuk blessed the party and how the base camp was reestablished at the snout of the Rongbuk glacier as in 1922. And then of the physical exhaustion from getting the six upper camps established, the highest, Number Six, being at 26,700 feet; how the oxygen apparatus was too heavy and had to be discarded, as the porters were worn out in getting up food, and how he and Mallory found they could climb as well without it; how General Bruce's

malaria (previously contracted) obliged him to resign command to Lieutenant Colonel Norton; of alpine flowers as high as 18,000 feet and spiders at 22,000 feet; how Somervell and Norton's gallant final effort was thwarted and the former's throat gave out; how he glimpsed Mallory and Irvine moving upward above him on the climb from which they never returned.

It was June 6, 1924, when George Mallory and his young companion, Andrew Irvine, only twenty-two years old (Mallory was thirty-seven) determined to make the final attempt which cost their lives. Mallory had been on each of the two previous Everest expeditions, and he was not only the most experienced climber of the party but the time he had previously spent at the extremely high altitudes encountered on the upper slopes of Everest enabled him to become acclimatized more readily. Irvine, who had been taken along on the personal recommendation of Odell, had been a member of the Oxford Spitzbergen expedition.

On the day of the tragedy, Odell's function was that of support and he made the trip from the base camp to Camp Number Six, from which point at noon he saw the two men silhouetted against the snow on top of the second step, approaching the final crest of the mountain. They were making rapid progress and, although four hours behind schedule, Odell was not unduly alarmed, for he knew that the climb above where he saw them offered no technical difficulties. In the afternoon, after waiting some hours and making calls to guide their return, Odell returned to the next lower camp because Camp Number Six could hold only two people at the most. The next day he climbed again to the highest camp and found it exactly as he had left it. He thought it probable that one or both had reached the summit, but felt certain that they could not have survived the cold and exposure of the night. He spent all day searching and calling out, and at last wearied and exhausted, he descended in the late afternoon to the camp on the North Col, almost a mile below. The monsoon broke that night; the next day the mountain was impassable for the season. The expedition was forced to retreat and to return to India.



CHAMPION

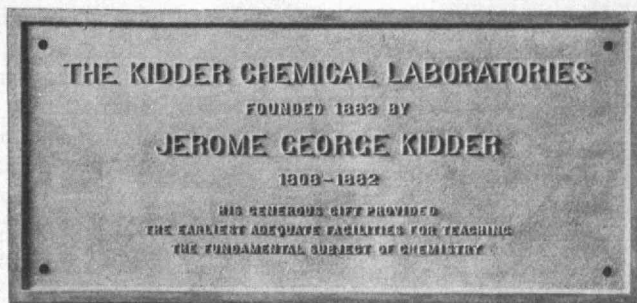
*George F. Leness, '26, on February 28, at the indoor championships, Madison Square Garden, New York, established a national record for the 600-yard distance, defeating Al Helffrich, holder of the world's record. Leness was captain of the Institute's track team last year*

### Smithsonian

UNDER tragic circumstances, on February 11, at Washington, Charles G. Abbot, '94, as Acting Secretary, addressed the first conference, since 1878, of the Establishment of the Smithsonian Institution. For months Charles D. Walcott, the Smithsonian's

fourth Secretary, had projected this unusual meeting and in the closing hours of his life — he died on February 9 — he asked Dr. Abbot that his death be not permitted to interfere with the arrangements. Chief Justice William H. Taft presided as Chancellor and in attendance were President Coolidge, the members of his Cabinet, the Board of Regents, and most of the forty "Conferees," who, together with the foregoing, make up the Establishment created by Act of Congress, August 10, 1846. President Samuel W. Stratton and Charles Hayden, '90, 1925-26 President of the Alumni Association, are both "Conferees," and the former was a speaker in the discussion which followed the formal meeting.

During three-quarters of a century the Smithsonian Institution — the gift of James Smithson of England to a country he had never seen — has been a meeting place for men of science. Its library of 700,000 volumes and its valuable collections of specimens, brought back by exploring parties from remote places, have made it the haunt of eminent scholars; its publications have "diffused knowledge" to the four quarters of the globe. The purpose of the present conference was to consider the future of the Institution, a future that is imperilled by lack of funds. More specifically it was aimed "to reveal the exact nature of the Smithsonian's activities in the increase and diffusion of knowledge, the strength of its position as a private institution under the guardianship of the government . . . and finally its possibilities as the inspirer and coördinator of basic scientific investigation in this country."



MEMORIALS

*The Institute pays tribute to the benefactors who have aided in its up-building. These tablets were cast in the Institute shop from designs by Arthur L. Townsend, '13, Instructor in Mechanical Engineering*

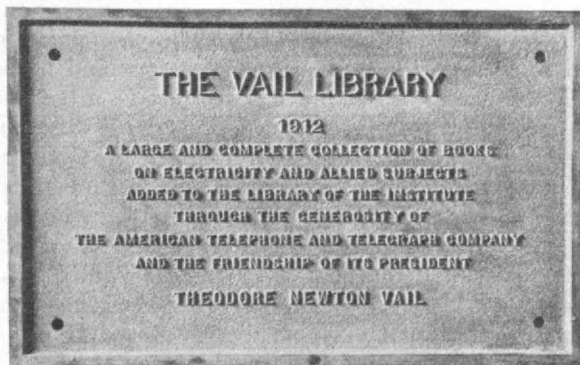






Photo by Sigurd Fischer

#### BARCLAY-VESEY BUILDING

*The handsome building designed by Ralph T. Walker, '11, for the New York Telephone Company. For his design he was awarded the Gold Medal of the Architectural League of New York. See the story on the opposite page*

Officials of the Institution still adhere to the five principles evolved by the first Secretary, Joseph Henry, and in his address, Dr. Abbot referred to them as a "masterly plan of action which has never been essentially modified." The principles are first, "to embrace all branches of knowledge;" second, "to seek facts irrespective of their apparent economic value;" third, "to do nothing that could be equally well done by any other agency;" fourth, to maintain a "simplicity of organization and a minimum of overhead;" and fifth, "to cooperate with all serious workers in the field of science." In the words of Secretary Henry, in 1854, "coöperation and not monopoly is the motto which indicates the spirit of the Smithsonian's operations."

Dr. Abbot described in some detail the present opportunities and capacities of the Institution, and stated that the popular misapprehension that it was a Federal Bureau had arisen out of Smithsonian activities and made it clear that the major work continued to be research and publication, citing fourteen distinct activities which contributed to these ends.

"In his recent message to Congress," Dr. Abbot said, "the President of the United States expressed the desire that Washington should become the national and world center of science, education, art and literature. Here is the great opportunity of the Smithsonian Institution. It has worthily led the van hitherto towards that great aim. Should it not go strongly on?"

In 1826, James Smithson, Oxford graduate of the Class of 1796, "son to Hugh, first Duke of Northumberland and Elizabeth, heiress of the Hungerfords of Studley and niece of Charles, the proud Duke of Somerset," and lineal descendant of Henry VII of England, sat down to write his will. When he died in Genoa on June 27, 1829, it transpired that he had written: "My name shall live in the memory of man when the titles of the Northumberlands and the Percys are extinct and forgotten. . . . The man of science is of no country. The world is his country, all mankind his countrymen." With this pronouncement he bequeathed his entire fortune to the United States of America to found at Washington "an establishment for the increase and diffusion of knowledge among men."

The legacy did not become available until 1835, upon the death of Smithson's nephew, and when President Andrew Jackson announced the gift in a message to the Congress on December 17, 1835, its acceptance met with opposition. There were those who maintained that it would be beneath the dignity of the Republic to receive a benefaction from any foreigner. However, objections were finally overcome and, in 1838, the clipper *Mediator* brought £104,960 in golden sovereigns to Philadelphia, where they were recoined into \$508,318.46. Five successive Congresses then struggled to define "knowledge" and how it could best be "increased" and "diffused."

Ex-President John Quincy Adams, sitting as a member of the House of Representatives, who, aided by Jefferson Davis in the Senate, had led the fight for the

acceptance of the gift, contributed the basic ideas for the charter finally adopted. He insisted that the money should constitute a trust fund with the principal "permanently invested in the Treasury of the United States" and that the income from it be used to support the Smithsonian Institution, operating it as a private affair under the guardianship of the Federal Government.

The first Board of Regents was appointed September 7, 1846, and, recognizing clearly that the "future good name and success and usefulness of the Smithsonian" would depend in the main on the character and ability of the Secretary, they chose as the first to fill that office, Joseph Henry, Professor of Physics and Natural History at Princeton, the foremost exponent of physical science in America and the peer of Faraday in discovery. He labored for the comprehensive policy which the Institution has followed so successfully and gave unreservedly nearly every waking moment to the problem of the Smithsonian for thirty-two years. From 1855 until his death in 1878 he even made his home in the east wing of the Smithsonian Building. His was a labor of love.

He was succeeded by Spencer F. Baird, head of the United States National Museum, who served as second Secretary until 1887, and after him came Samuel P. Langley, formerly Baird's assistant, who experimented with aerodynamics while spending twenty years guarding the Smithsonian's destinies. The late Charles D. Walcott had been the fourth Secretary since 1907. Under his administration the scope of the Institution was greatly broadened, and the more it broadened the more it became hampered by lack of funds. Because of this condition, Dr. Walcott planned the conference, of February 11, which he did not live to attend.

### Notable Contribution

**D**OWN near the tip end of Manhattan, its vertical lines rising up not too overwhelmingly, its mass looming impressively and distinctively, the motifs of its ornament catching the eye and inciting to study by their robust originality, stands a building variously named the New Telephone or the Barclay-Vesey Building. To architects and laymen alike it appears as one of the foremost and most distinctive creations of American architecture. There is nothing of foreign emulation in it, no subservience to classicism: instead, with American technique and materials it expresses American ideals, boldly, articulately. Unquestionably it is a landmark.

Precedent was broken, and in an admirable spirit, when the name of the designer of the building was made public that he might receive due credit as well as the architectural organization of which he is a member. Ralph T. Walker, '11, is the man, until recently of the firm of

McKenzie, Voorhees and Gmelin, now a partner of the new firm of Voorhees, Gmelin and Walker. For his work on this building, the Architectural League of New York awarded to him its Gold Medal of honor in architecture. Said the announcement, "... a result has been achieved expressive of a high degree of skill and good taste in both general mass and interesting detail."

Mr. Walker, himself, has said, "It was Emerson, I think, who told us to stop building the sepulchers of our fathers and build our own house. The Barclay-Vesey Building is an attempt to build a house of today, a house that is not Greek or Gothic or Mayan; that looks little to the past, much to the present, and tries to glimpse the future."

### Tower City

**T**HE Architectural League which made the award to Mr. Walker for his design of the Barclay-Vesey Building yearly sponsors an Architecture and Allied Arts Exposition, the country's premier exhibit in that field. In charge of the exhibits for this exposition was Raymond M. Hood, '03, chairman of the League's committee on exhibits.

On the opening day a proposal of his was presented, revolutionary in simplicity, for the relief of the maze of congestion that is slowly choking New York. The basic feature of his solution lies in a plan to provide wider streets and taller buildings. He would establish a proportion between the amount of occupied floor space in buildings to the public circulation space, *i.e.*, the streets. "My plan is this," he says, "limit the volume of a building in proportion to its frontage on

a street. For each foot that the property owner sets his building back from the street, thus increasing the street area, he can increase its volume correspondingly, making

the building as tall as he wishes. The property owner is compensated by an increased income resulting from additional floor space."



Photo by Davis and Sanford

### SALINE

*Stuart Chase, '11, who has brought to accounting, to economics, to social problems a brackish and lively touch in his articles and reviews in The Nation and the New Republic. He has published "The Tragedy of Waste" and, collaborating with his wife, "A Honeymoon Experiment." On February 27 he lectured at the Old South Forum in Boston on "Fashion and the High Cost of Living"*



## Midnight Oil

**P**ORTER H. ADAMS, '14, President of the National Aeronautic Association, has always been known as a man who kept late hours and, therefore, what he did just before midnight of February 28 neither shocked nor surprised many who read of it in the newspapers the next morning. Curtis D. Wilbur, Secretary of the Navy, had announced that it would be impossible for the Navy to take part in the Schneider Cup Races to be held at Venice, Italy, next autumn because "a continuance of racing activity would not be commensurate with the expenditure of funds involved," and over this blunt statement President Adams and his colleagues of the N. A. A. were pondering as February was about to turn into March and the time limit for entries in this international speed classic would expire.

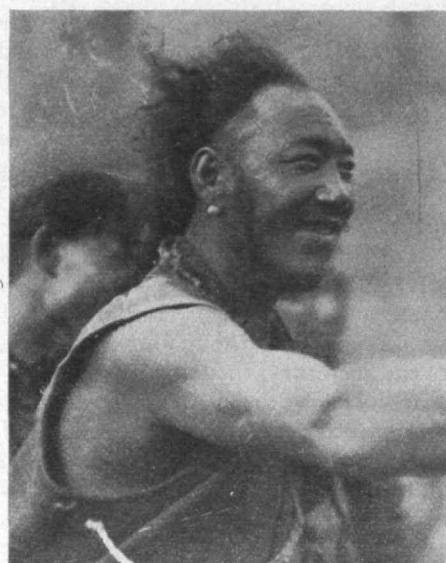
Two years ago, Lt. James H. Doolittle, S. M. '24, had won the Jacques Schneider trophy at the races in Baltimore when he drove a little black Curtiss seaplane at an average speed of 232.593 miles per hour around the seven laps of the 200-kilometre course, but, at the time of the 1926 races last September, Lieutenant Doolittle was busy flying over the Andes from Santiago in Chile to Buenos Aires in Argentine, and the trophy went to Mussolini's candidate. Now, much to Mr. Adams' discomfiture, it appeared that the opportunity to bring it back to the United States before 1929 (after 1927 the races are to be held biennially) would be lost because the Navy would not help.

Even with the Navy's support the power and design of the Italian seaplanes would seem to make a victory for the United States impossible with any existing

American planes. Without it the chances of finding an individual aircraft concern willing to undertake the heavy financial responsibility of building new racing planes were remote. Nor did the N. A. A. possess the needed funds, for its only revenues are the dues of members. Nevertheless, Mr. Adams took the plunge boldly and cabled

three entries in blank for the United States, accompanied by the required remittance of 5,500 French francs per plane, just before the time limit expired.

The question now remains, will the aircraft industry step forward and back him up with the necessary equipment and will the government grant leaves of absence to the crack racing pilots of the Army and Navy to permit them to fly as volunteers for America?



*Times Wide World*

## BEAUTY UNADORNED

*A Tibetan mule driver on the 1924 Mount Everest Expedition. The adventurous story was told to the Faculty Club on March 7 by N. E. Odell of London, one of the leaders of the expedition. See page 346*

## Florentine Show

**L**AST month another Technology man also forwarded entries to Italy, but his went aboard ship instead of by cable and were carefully checked, wrapped and sealed before being stowed away with other precious cargo. Privileged persons who inspected these entries voiced praise at the selection and confidence that the exhibit might prove that these United States were not, as Italians frequently suppose, completely given over to commercialism. For these were the entries for the American exhibit at the International Exposition of Etchings, Engravings, Lithographs and Woodblock Prints to be held at Florence, Italy, this month and next, and they had been picked by a jury composed of John Taylor Arms, '11, Ernest D. Roth, Thornton Oakley and the Secretary of the American Federation of Arts.

To the United States has been assigned one of the larger and more important galleries, and the notable collection sent to fill it comprised 262 works by contemporary American artists.

Save in four instances — Joseph Pennell, Ernest Haskell, Henry Wolf and Helen Hyde — the works selected were all by living artists. Those by a number of so-called modernists, such as Rockwell Kent, were included and, belonging to the more conservative school and equally well represented, were Frank W. Benson (painter of the portrait of President Richard C. MacLaurin reproduced in *The Technology Review* for May, 1926), Sears Gallagher, Arthur Heintzelman, Charles H. Woodbury, '86, George C. Wales, '89, Phillip Little, '79, and Mr. Arms.

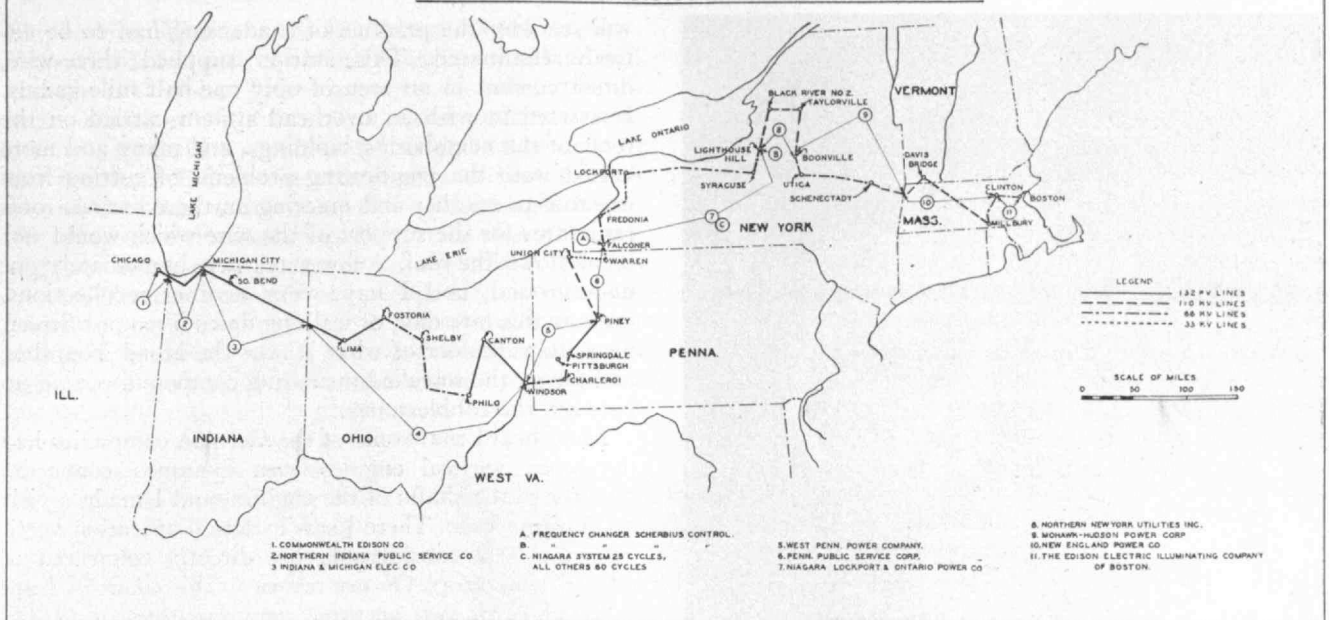


*Balaomar, Paris*

## BEAUTY ADORNED

*From a French photographer came to *The Review* this rare pose of Frederick W. Westman, '25, erstwhile editor of *Voodoo*, now studying architecture in Europe. He won first prize for birsute adornment at the Quatre Arts Ball in Paris*

MAP SHOWING CHICAGO-BOSTON INTERCONNECTION NOV 19, 1926



### FROM DAN TO BEERSHEBA

*The course of the continuous transmission line used in the notable experiment described in the accompanying article. This represents another long stride in the generation and distribution of electric energy*

## Forty Years of Electrical Progress

*An engineer and executive who has done much to accelerate the development of electrical distribution describes the advances that have been made during the span of his professional career\**

**A** YOUNG engineer located in New York, connected with what was then the parent company and the predecessor of the present General Electric Company, I was sent over to Boston in 1886 to make an inspection of the first station of the Boston Edison Company. It was located in a stable in the rear of what is now the main office building of the Boston Edison, about 100 yards back of Masonic Temple. I arrived in Boston during a heavy snow storm, and found my way up through the crooked, narrow alley to the boiler room door. Snow was coming down through holes in the roof, had already covered the tops of the boilers, and had formed a layer of slush on the fireroom floor about two inches deep. The little power plant itself, protected from the storm, was crude in the extreme. The whole station was a dilapidated spectacle indeed, and it would not be worth remembering or referring to if it were not for the fact that it was the beginning of the engineering work of the Company about which I am going to write.

A few months later the adjoining property was purchased and there was installed therein what was at that time a model station. In the light of today it is almost impossible to realize that even that station, modern in 1886, had any elements in it which were a distinct

By CHARLES L. EDGAR  
President, Boston Edison Company

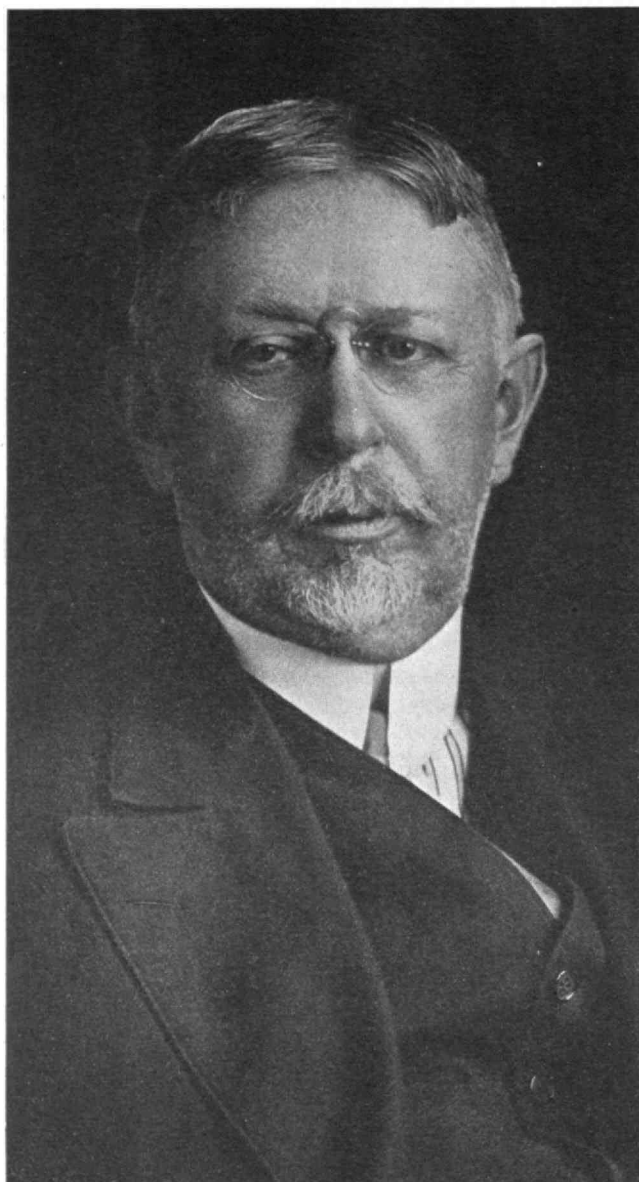
advance in the industry, and yet such is the case.

High speed, single cylinder engines, directly connected by a belt to electric generators had been in use for a comparatively few years, but the plants in which there was more than a single installation were rare, and the problem of operating two or more generators in parallel turned out to be very largely a question of the engine governors. There was a tendency for the engines to race and the load to shift from one generator to the other in a very uncertain manner. As I look back on this condition from the standpoint of today, it seems to me that this was the real problem before the central station engineers of that day.

And now I am going to tell you an experience which reflects very critically upon the engineering knowledge we possessed at that time. This station had been operating less than six months when it was entirely crippled by a fire originating in one of the feeder regulators and spreading to the walls and ceiling of the dynamo room. I am personally, perhaps, more to blame for the condition which caused this fire than any other one man. During the two or three years previous to my coming to Boston, I had been installing small central stations in a half dozen or more of the cities in Eastern Pennsylvania. I had very carefully lined the walls and ceiling with hard wood, beautifully varnished, and erected on the walls a series of bus bars made of round copper bent into all sorts of shapes and clamped to the wall by ordinary

\* This article is an abridgment of an Aldred Lecture delivered by Mr. Edgar to the Institute Faculty and Students on February 25.





#### PIONEER

*Charles L. Edgar, President of the Boston Edison Company, a great public utility organization, from the first the lengthened shadow of him*

hard wood cleats. The feeder regulators, which were furnished by the manufacturers in ventilated wooden crates, were carefully hidden behind this hard wood veneering so as to create a handsome looking interior of the station.

Although I suppose we knew that electricity produced heat, none of us had had any practical experience in having this fact brought home to us in a convincing manner. I have often wondered since why these various stations did not burn down almost before I was able to leave town. Having established this practice in Pennsylvania, I repeated it in the first station in Boston. The inevitable happened, the resistance coils became red hot, and a fire resulted.

This station was, of course, run non-condensing. When you remember that the amount of water necessary for condensing purposes weighs about six hundred times as much as the coal burned under the boiler, you

will see why the practice of condensing had to be entirely eliminated. This station supplied three-wire, direct current in an area of only one-half mile radius. It started in with an overhead system carried on the roofs of the neighboring buildings, and many and more varied were the engineering problems of getting from one roof to another and erecting on these various roofs structures for the support of the wire which would not break down the roof. A few wires were immediately put underground, and I have very distinct recollections, even at this late day, of walking down Tremont Street, near the side door of what is now the Hotel Touraine, and seeing the so-called insulating compound oozing up between the cobblestones.

I had heard that some of the German companies had developed vertical engines with dynamos connected directly to the shafts of the engines, and I made a visit to Berlin in 1890. There I saw in actual operation vertical engines of considerable size directly connected to electric generators. On my return to this country, I got in touch with two or three manufacturers of Corliss engines and told them what kind of installation I was proposing to make and asked them for bids. I was turned down completely, — in fact, one engineer, the head of one of the largest Corliss manufactories of his time, went on record in writing that the idea was a crazy one and that his firm would not consider it for a moment.

Persevering, however, we finally interested the parent Company, — that is, the General Electric Company, or its predecessor, and they designed and had build for us a number of vertical engines of 400 kilowatts each. A 200 kilowatt generator was connected to each end of the shaft, and we purchased and installed three of these units. These were the first vertical engines in this country used for electric light and power purposes, and marked an epoch in central station construction.

As time went on we found that we needed other centers in Boston proper from which to distribute feeders, and we proceeded to erect at these centers what are commonly known as substations, the current being brought into them from South Boston, transformed into direct current by means of motor generators, and re-distributed from that center just the same as if they had their own steam plant. The most notable of these substations and the one which has attracted most attention from the casual observer is that erected on Chauncy Street, immediately in the rear of the Jordan, Marsh Store. It is notable in that it has no windows or doors above the first floor. It looks almost like a large sized smoke stack. It is built in this way for fire protection, and is ventilated entirely through the roof. It has the disadvantage of cutting off the daylight from the men working within, but it has been in every way a success. We now have three of these windowless substations.

Some five years ago, we appreciated the fact that the time was near at hand when our South Boston station would be filled with machinery, and we would have to look elsewhere for a site for a generating station. Distance from Boston was of comparatively little importance, but deep water for coal handling and plenty of water for condensing purposes were the prime requisites. We found such a location on the south side of the Weymouth Fore River, directly across from the Fore River

Shipbuilding Works of the Bethlehem Steel Company. We succeeded in getting about twenty acres of land and thought that we had done a good job. In order to familiarize ourselves with the latest developments in this country, we hired a special hotel car and six or eight of our people, including a secretary, made a visit to each one of the large stations east of the Mississippi River. We spent our days inspecting the various plants and our nights in traveling from one city to the other. We had not much more than half completed our trip when we began to appreciate the fact that twenty acres were not nearly sufficient to provide for a generating station and such other general facilities as we had in mind. We immediately opened negotiations, and finally succeeded in getting about sixty acres, and in 1923 started to build the first section of what is called the Edgar Station. It is the last word in central station construction, and is possibly familiar to many of you. The particular novelty is the question of steam pressure. When the Company was started in 1886, a hundred pounds per square inch was common practice. This was gradually increased when we erected our new stations until 300 or 400 pounds was the practice when we were designing this new station. There were some arguments in favor of running up from 300 or 400 to 500 or 600 pounds and using such pressure in the normal way. Some of our people, however, made the suggestion that we jump to 1,200 pounds, and this is the particular engineering feat to which I want to call your attention.

A boiler of 1,200 pounds pressure was installed and this operates a turbine which takes this pressure at 1,200 pounds and discharges it at 375 pounds into a header which is connected to the ordinary boilers and which supplies the ordinary turbines, these latter in turn taking the steam at 375 pounds, and carrying it down to minus fourteen.

This meant two engineering problems that were entirely new. One was the construction problem of being able to make boilers, piping, valves, and turbine shell of sufficient strength to operate under 1,200 pounds pressure. The drum of this boiler was forged out of a single ingot of steel by the same people who made all the armored plate for

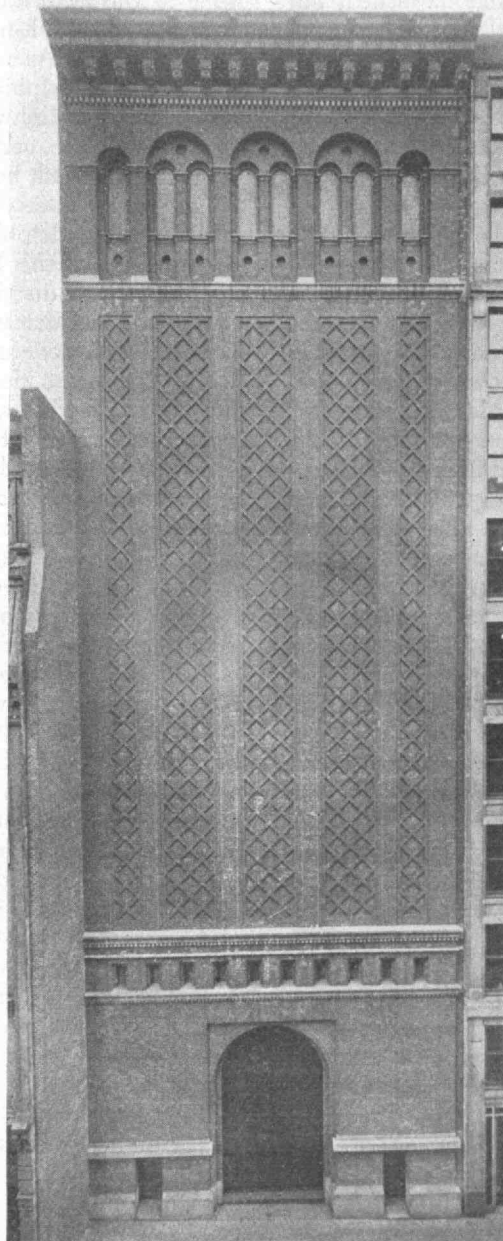
the United States Navy before the war. It is four inches thick, and compares with an inch and a half for the ordinary 375 pound boiler drum. The valves and piping have been made very much thicker and more rugged in every way.

The other engineering problem was, — would it pay provided it would work. Our engineers, by figures, proved to their satisfaction that the total cost per kilowatt would not be any greater than for a normal plant, and that the coal efficiency would be from 10 to 15 per cent better.

Under all these circumstances, we were willing to try the experiment, and it has panned out so successfully that we have within the last three months ordered two more high pressure boilers and another high pressure turbine of three times the size of the original one. This was a case where figures were confirmed by practice.

You have probably seen in the papers within the last few months a statement that the Back Bay of Boston was being lighted from the power station in Chicago, or that State Street in Chicago was being lighted by the Edgar Station in Weymouth. An experiment along these lines was actually carried out, but the papers featured it somewhat more vividly than was justified by what actually happened. It is true that Boston and Chicago were actually connected up during this experiment and that current was transmitted in either one direction or the other throughout the entire thousand miles of electric circuit. This does not mean that any Boston current actually got to Chicago or vice versa but it does mean that all the companies, including the Boston at one end and the Chicago at the other, were tied together through circuits, were all in phase, and in fact current was transmitted throughout the entire district.

Eleven companies were interested in this experiment, and the line leaving Chicago went through Illinois, Indiana, Ohio, Pennsylvania, New York, and Massachusetts. What actually happened was that the officials of one of the companies in Western Pennsylvania found that they had in their regular operations been able to connect up with Chicago. One of the neighboring companies had in the



#### THE NEW ARCHITECTURE?

*The Chauncy Street Substation in Boston, above the first floor windowless, doorless, so built for fire protection and other practical reasons. It is ventilated entirely through the roof. Another of Mr. Edgar's innovations*

same way found themselves connected up with Boston, and they conceived the idea that it would be a worth while experiment to make all these connections at the same time, and thus get a through line. This was accomplished without any special prearrangement and it might almost be said that it was done in the usual course of operation. Even if no appreciable amount of current was transmitted, this was a noteworthy feat and has been so considered by the technical press.

I think that some one perhaps best described it as like a string of beads. If you take a string of beads and push on the bead at the extreme left hand of the string, that one on the extreme right hand will move; that is, the impulse has been given from one bead to another throughout the entire length of the string. This is not an engineering way of explaining what happened, but it is perhaps a popular way of telling the story.

I think the two outstanding problems which confront our industry are first, the question of rural electrification, and second, this question of interconnection.

With the exception of the poorer districts in our large cities, practically all of the United States is supplied with electric current except the farming districts. The cost of reaching the farmer is very high, and the question, "Who is to pay the bill?" is the one at issue. The Company cannot afford to make the extension unless it can see a reasonable return, and the farmer is in very much the same situation, especially as the majority of farmers in this country are tenants rather than owners, and therefore cannot be expected to make any large investment. On the other hand, there having been very little work done up to the present time, the manufacturer has had no inducement to develop apparatus especially designed for farm use, and just how to bring about the same amount of electrification on the farm as exists in other lines of business is a very weighty problem which is attracting the attention of the engineers and of the commercial men of our industry.

You may be interested to know that in order to get something started a committee of the National Electric Light Association has chosen several farms in New Hampshire which it has completely equipped with every device needed for the farmer's use. This apparatus has been developed and loaned to the committee by over thirty manufacturers for a period of three years, and experiments are now being carried on along commercial lines in these farms and it is hoped that it will prove first, that the farmer can afford to buy the apparatus, and second, that the company can afford to extend its lines if the farmer will use the apparatus.

The other problem is interconnection. Some years ago the word "superpower" was coined in connection with a study of the electric possibilities made under the auspices of the Federal Government by W. S. Murray, covering the territory from Boston to Washington. The plan had a comprehensive system and was called superpower. The name is unfortunate, as it is a decided misnomer. Other people have since tried to improve upon this title and have coined the word "giant" power. This merely makes a bad matter worse. We in the industry know that these terms mean nothing more than interconnection, and this is the term which I hope you will keep in mind in connection with what I am about to say.

Interconnection is no new idea. The connecting tie line which we installed here in Boston in 1890 between the Atlantic Avenue Station and the First and Second Stations was an interconnecting line, and it differs only in degree, but not at all in kind, from the line which I have been describing as now running from Boston to Chicago.

We have had two parallels in our industrial life, or rather in our transportation development, which illustrate the principle of interconnection. If the Lincoln Highway had been designated simply as a method of connecting up existing systems of road, so that a main thoroughfare thus would be created between New York and San Francisco, it would, as a matter of fact, have attracted very little attention. The name, however, caught the public eye and today, or if not today at some time in the near future, one can travel from coast to coast, seeing the Lincoln Highway sign throughout the entire distance. As a matter of fact, the road from New York to Philadelphia was in existence long before the name Lincoln Highway was thought of. Some changes have been made, corners have been cut off, roads have been straightened, but these all would have come about in due course in any event. What is true between New York and Philadelphia is true between many other cities on the line of the Lincoln Highway. There were, of course, certain districts that were covered with automobile roads which were separated by many miles from other districts covered in the same way. These districts, where they came close to one another, were connected by a first class road, and the Lincoln Highway, therefore, came into existence between these centers. Whereas the open gaps were small in the East, they became larger as a person went westward and even now some gaps are not yet filled. The Lincoln Highway, when completed, will be nothing more than a so-called superpower road, enabling the citizens of one city to travel to neighboring cities, and citizens of those in turn to travel to other cities, and so on *ad infinitum*.

Another illustration: The steam roads of our country a half century ago were in a similar condition to the automobile roads of fifteen years ago, or to our power line situation as it is today. The interconnection in steam roads has been practically completed, whereas the automobile interconnections are in process, and the power line interconnections are just beginning.

The Pullman Company by an arrangement with all the roads, has enabled passengers to go from New York to Chicago, or from Chicago to San Francisco, without change. It is merely a superpower company, providing an interchange of passengers from one community to another with ease and comfort. The simile can be carried one step further. One of the difficulties of exchanging power between two companies located in neighboring cities was that the two companies might not employ the same number of electric cycles. That is to say, if Baltimore had sixty cycles and Washington, because of the preponderance of railway business, had twenty-five cycles, the interchange of power became very difficult.

The superpower line which Murray described as running from Boston to Washington, had all the characteristics of the Lincoln Highway, in automobile transportation, and the Pullman Company in steam railroad transportation.



This was paralleled in the steam railroad world by the narrow gauge system running from Denver to Salt Lake City fifty years ago. Passengers had to change cars not because the Pullman Company was not prepared to run a through car, but because it was a physical impossibility for the same car to run on both gauges. If any of you had traveled across Russia before the days of the war, you would know the difficulties that existed because of the broad gauge of the Russian railroads. Their through traffic was difficult and for many years almost impossible.

If the Pullman Company did not exist and there was no company doing their sort of business, the effect upon the railroad companies' investments would be tremendous. If the Pennsylvania Railroad, for example, had to own all the parlor, sleeping, and dining cars required to take care of the peak of its business, and every railroad in the country had to do the same thing, the number of cars of this character necessary to be owned by all the railroads would be far in excess of the number now owned by the Pullman Company. If, in order to preclude some of this tremendous investment, an arrangement were made between these companies for borrowing each other's equipment, it would cut down some of this investment, but it would nowhere nearly reach that which now exists as a result of the Pullman Company's existence.

For example, the New Haven Railroad, on the day of the Harvard-Yale race at New London or of the football game either at Cambridge or New Haven, has to call upon the Pullman Company for a number of parlor cars far in excess of what the New Haven Company would own if it had to supply its own equipment. Possibly it might borrow a few from the Pennsylvania on the one hand and from the Boston and Maine or the Boston and Albany on the other, but if these did not happen to be idle or located at the proper terminal, they could not be depended on with any degree of certainty. All of these things are well known to you gentlemen as travelers. Now let me draw a similar parallel in the public utility business.

If the Edison Company, for example, were not tied in with any other company, it would have to provide an

excess capacity in its stations of an amount equal to at least one of its standard units. That is to say, if our station had six 30,000 kilowatt units, it would need in reserve at least one 30,000 kilowatt unit. If it had only three units it would still need one additional set. In the first case the reserve would be  $16\frac{2}{3}$  per cent and in the second case it would be very much larger, namely,  $33\frac{1}{3}$  per cent.

Suppose an electric company, operating in the city of Providence, was in exactly the same condition. If an interconnecting tie-line of sufficient capacity could be built between it and another city such as Boston, the two companies together would need only one set in reserve and in that particular instance a three or four million dollar investment would be saved. This is as if the New Haven Railroad, as I showed above, borrowed cars, if they could be spared, from the roads running into its terminals.

Now assume, for the purpose of illustration, that an interconnecting line was run from Boston to New York, passing through all the cities en route. Instead of each company having its own reserve, the total reserve needed would be very much less and millions could be saved in investment. This is analogous to the case of the Pullman Company owning all the sleeping cars and parlor cars and doing the entire business of the country with thousands of cars less than if they had to be owned by the individual roads.

For the same reason that the interconnection among the railroads has enabled the products of one district to be easily transported to another and thus to be of advantage to both districts, the construction of these interconnecting power lines is enabling water powers, on the one hand, and steam powers, on the other, to work hand in hand. Until very recently steam powers could not get the advantage of cheap water power for their base load, neither could water powers get the advantage of steam connections for reliability. This development, therefore, has marked a new era in combining the advantages of steam and water power into one enterprise. This is in fact true interconnection and the word superpower is particularly misleading.



THE EDGAR STATION

©Fairchild Aerial Survey, Inc.

*The now famous steam generating plant at Weymouth, Massachusetts. A steam pressure of 1,200 pounds is developed and utilized with high efficiency*

# The ARCHITECTURAL BULLETIN

—PUBLISHED FOR THE SOCIETY OF TECHNOLOGY ARCHITECTS—

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Secretary-Treasurer

*Address all communications to the Secretary-Treasurer at 40 Central St., Boston, Mass.*

## *Five Years for Architects*

THE Department of Architecture stands today at an important cross-roads in its history. The forward-looking way is the path proposed by the staff for enlargement of the curriculum of Option I and extension of the course in Architecture from four to five years. The proposal has already been mentioned by Professor Emerson in his recent address at the Annual Banquet of the Alumni Association.

This suggestion has not been put forward without serious and long study of the problems confronting schools of architecture today. It is founded on the basic belief that there is insufficient time in four years properly to prepare for the practice of his profession the architectural student who enters college directly from high or preparatory school by passing college entrance examinations.

With the growing complexity of modern civilization there has been a corresponding increase in the demands which that civilization makes upon the architect. Experience shows that if a man could devote all of his study for four years to the purely technical side of architecture he might find himself sufficiently prepared in the technical field. But young students coming without other academic training than a preparatory school affords would almost certainly find themselves at a loss outside of the technical pale.

A graduate of such a highly specialized course might, for example, find himself unable to express himself clearly to a group of clients. He might be entirely incapable of preparing a report on a housing or town development. He would almost certainly be unable to keep abreast of the progress of his profession abroad, since such study to be satisfactory necessitates a perusal of foreign journals,

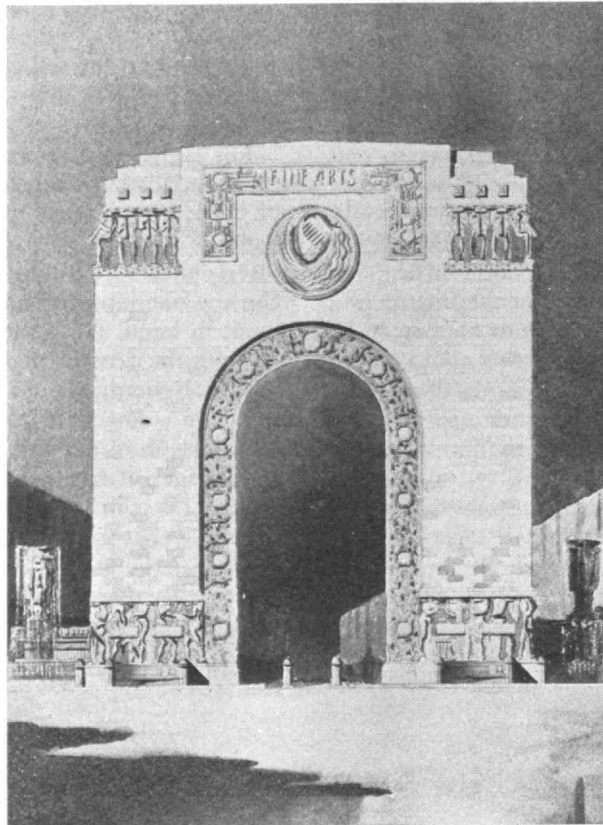
principally published in French. Worst of all, he would be entirely at sea in related and unrelated arts, an appreciation of both of which is fundamentally necessary for the well-rounded, the great architect.

Many of the leading schools of Architecture have already recognized this principle. Notably Cornell, Pennsylvania, Carnegie Institute, The University of Oregon, Syracuse and Alabama Polytechnic Institute have instituted five-year courses and only five-year courses in Architecture. At least two other distinguished seats of architectural training are exclusively for graduate students. Technology is not, therefore, suggesting a radical and revolutionary change, but rather one that accords with the best, forward-looking, precedent of the day.

The Faculty of the Institute has already recognized the fact that the needs of the Department of Architecture are different from those of other departments. Such a precedent was established when four years ago the Department was allowed to eliminate from its curriculum certain of the elsewhere required subjects and to start its students on their professional subjects in the beginning of their freshman year.

To remove certain objections to the plan it is proposed to alter the degree given in the five-year course from the regular Bachelor of Science to Bachelor in Architecture. The new curriculum, a tentative copy of which is in the Secretary's hands as he writes, does not intend to add new subjects so much as it does to give sufficient time for their proper comprehension. This

is not to say that the course is to be easier. It does not mean that there is to be any tendency to spread the same amount of matter over five years that was formerly compassed in four. If anything, the course is to be more exacting as to time and concentration required than is the now existing one.



GLORIA MUNDI

*By Alexis Dukelski, '28; an arch in the modern mood which is to occupy a place similar to that held by the Arch of the Carousel in Paris. The problem was given in the Third Year of Design*

The new course will have two aims — first to supplement a proper architectural training with as much of the humanities as it is physically possible to provide in the time allowed. Secondly it contemplates receiving, because of its increase in length, a more mature class of men in the last years of design, men who are better able to understand the principles underlying the work they are studying. Past experience clearly shows that a man begins to "come" in design usually not until well into the fourth year or even the beginning of the fifth year. The reason for this quite apparently lies in his maturity. The new proposal means that every normal student will have at least one more year of ripened study in his chosen work. Graduate courses will continue to be given in a sixth year of design.

The most casual study shows how clearly the proposed course builds one stone upon another previously laid. The early years require a comparatively large amount of home study but, nevertheless, the required class-room hours are considerably in excess of those usually required at a college of liberal arts. As the student proceeds, he finds less and less time required in home study but more and more necessary in the Rogers Building. In the fifth year the actual scheduled requirements are the equivalent of the heaviest of office schedules.

A comprehensive course, a difficult course is this one newly proposed. But it is surely not debatable that it is a course marching firmly in the right direction. Probably

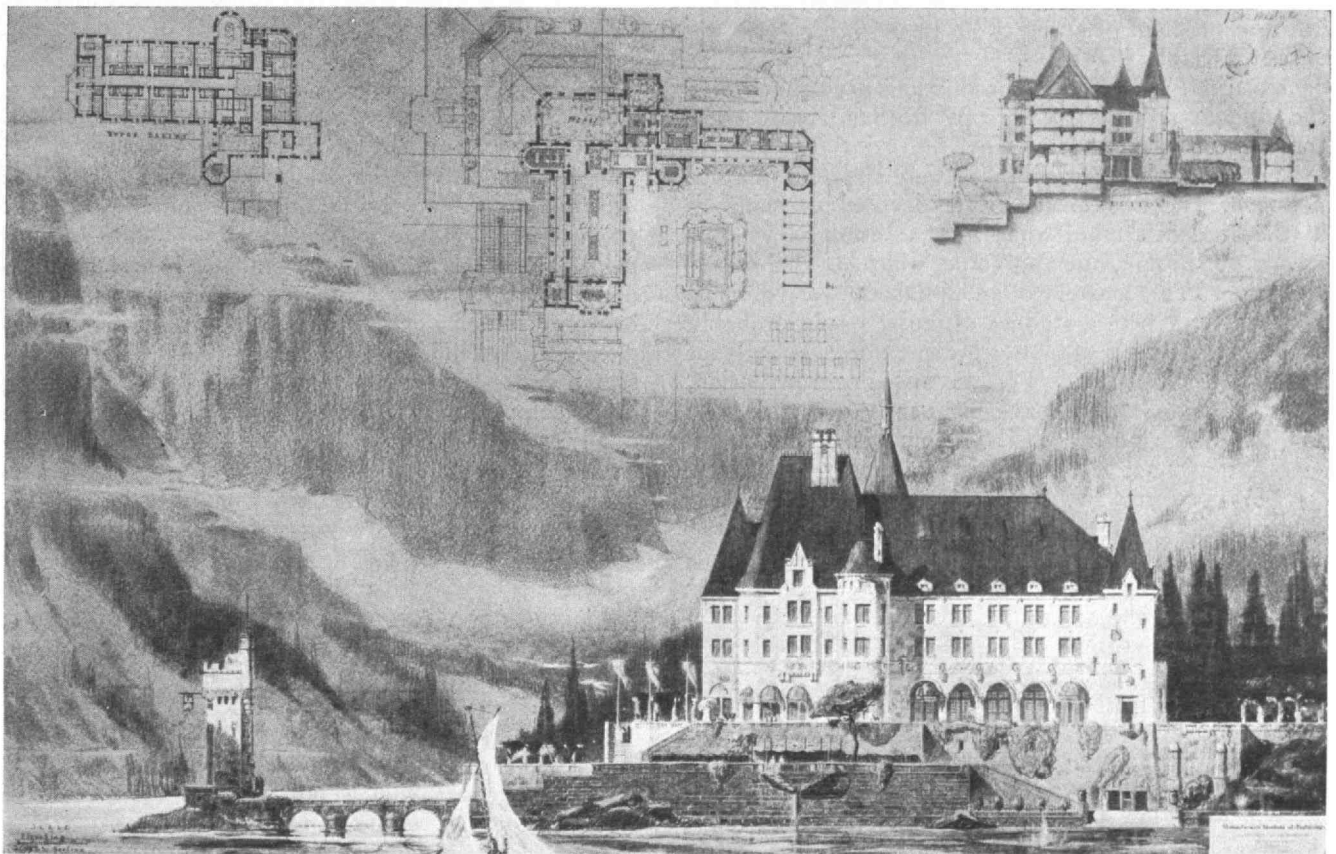
the only regret Alumni will have over the new installation will be that it did not come soon enough for them to profit by the broadened scope it will afford.

### *The New Color Course*

It is difficult for a harried chronicler to keep up with new and progressive developments in the Department of Architecture these days. Once in a while we find it necessary to draw a long breath and devote nearly an entire issue of the Bulletin to additions and changes. Such an issue is this one and it thus affords us time to talk about the new course in color, installed last year, operating under full steam this year and entirely too long kept with its light under a bushel.

A knowledge of color has always been considered a necessary part of the professional equipment of an architect. Few, if any, schools in past years, however, have ever given any particular attention to or definite instruction in this elusive subject. That this is so is partly because color has been little used on the exterior of buildings owing to the very limited range of color in our available materials and partly because of the lack of definite knowledge and interest in the subject of color as a subject in itself. At the present time, however, there is not only a new color interest in our modern buildings but also a much greater understanding of color in all the activities in which it is an important factor.

Realizing this increased interest and the need better



FAR FROM THE MADDING CROWD

*A country inn set in the mountains by a lake, the work of John Frederick Buenz, '26, in solution of a Fifth Year problem allowing considerable leeway in the design of a picturesque hostel set on an ample plateau*



to equip our students with more definite instruction in this subject, the two-year course in color was added to the architectural curriculum at the beginning of last year.

Beginning in the third year the students are made familiar with color from an abstract point of view and given an opportunity for the handling of color by means of elementary problems and research work. The general policy followed is an alternation of research work with original study, both considerations being given with respect to the same general conditions. That is, when a problem in a definite combination of color is assigned, the student is expected in the first week to study examples and to produce one that illustrates the point. In the second week he applies the same relationships to a problem of his own. Frequently, however, wherever possible, the student is provided with a specially prepared reproduction of an existing composition, done in black and white. This practice eliminates the injection into the problem of an outside variable, that of composition. Where such reproductions are not supplied the student is expected to copy freehand an existing composition which pleases him.

The course is based on the Munsell system of color notation. The first exercises are devoted to instilling in the student's mind what that notation is, what is meant by chroma, hue and value, what Munsell means by "blue." This mastery of an alphabet is very difficult apparently. Where a student of music would probably accept without question the present notation and not attempt to choose Guido's or one of his own invention, when the subject becomes color nearly everyone feels free to mean what he wills by "blue." The first fundamental that must be taught is that all must be thinking in the same terms. In this first teaching, resort is had to the color chart and in fact a similar color chart is prepared for every problem indicating exactly what the student intends to do both as to chroma, hue and value and also as to the amount of area he expects to cover with each element. In order to eliminate the variable of transparency the first exercises are done in tempera, although later in the course, water color is freely used.

Having established a vocabulary, the course next aims to illustrate the principles of color composition. Each subject as brought up is treated by the research method and by the original plan formerly outlined. First is taught the principle of harmony through closely related hues, then follow problems in using one third of the warm hues with black and white, one third of the warm and cold hues, one third of the cold hues in

succession. It should be remembered that this is based on the Munsell system which draws a circle bringing the deep purples back to meet the red which in the spectrum stand far apart. At the same time that these three variations are introduced the subject to be considered plays a part. One of the problems deals with a wall in the D'Avanzati Palace, decoration with which the students are not familiar. Another treats a border of a moving picture screen with the correlated problem as to whether this should be bold or sombre, eye-catching or subdued. A third uses a floor for its exposition,

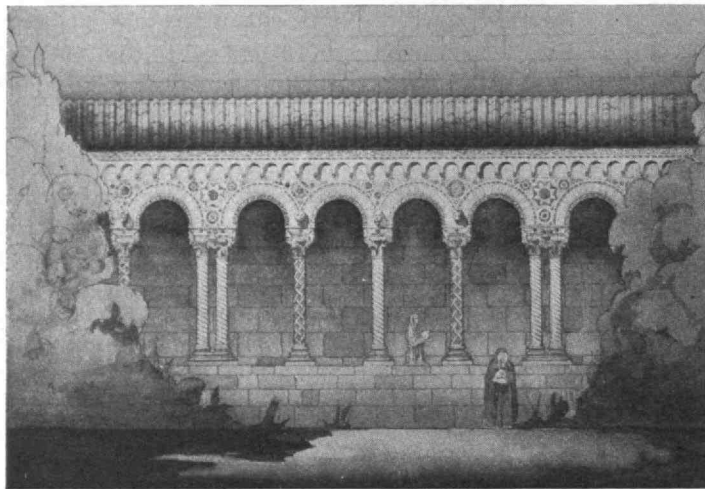
raising the point that a floor color scheme should not cause one to feel he will trip over it.

Passing from these fairly narrow problems the course then turns to complementary colors, adding gold and silver, which may be regarded essentially as mirrors and not destructive of color. There follows a complementary scheme and a background that does not upset it, such as a wood ceiling of color proper to wood, ornamented perhaps in colors entirely different.

Then, there are problems in complementary colors where the dominant is a single color and the sub-dominant is composed of two colors which form the complement of the dominant when combined. The principle of subordination in small juxtaposed areas productive of vibration or graying is taught at this point. There follows a similar problem where the sub-dominant is in large areas but made subordinate by being of low value or chroma. There are later more complicated problems in seven different hues for which research is not required and problems as well in making harsh compositions beautiful by glazing portions, and finally, to prove that nothing is free from exception, a problem in producing a beautiful composition in colors that could by no means be called complementary.

In the fourth year the course is continued by problems more architectural in character. The fourth year course is in fact an extension of the Design course, since the problems are essentially problems in composition with color instead of form as the dominating interest.

For the instruction in this subject the Department has been fortunate in two respects. It is always desirable that an instructor in a subject closely related to the professional work shall have as much of a background of architectural training as possible. This tends to insure an understanding of the aims of school instruction in architecture and the consequent better teaching of the related subject. Mr. F. J. Robinson, a member of the staff as an instructor in Design, has had also many years of experience as a teacher in the School of Fine Arts and



AND ABBESSES WALK IN THE COOL

*This clean-cut problem by Wendell Rockwood Holt, '29, is a solution of an archeological problem in the Second Year of Design*

Crafts, and to him has been entrusted the work of the preliminary course. For the advanced course the Department has obtained the services of Mr. J. Munroe Hewlett of New York, who is well known both as an architect and for his very creditable accomplishments in the field of mural decoration and allied subjects.

With little or no precedent for such instruction the Department necessarily looks upon these courses at this stage as an experiment. They have not been in existence long enough to measure the results, but it is felt that they are a step in the right direction. Perhaps a partial test may be the result of a recent first year problem in which the class solution of the color of a supplied wall composition was actually better than the color scheme adopted by the Renaissance artist who originally planned it!

### *Department and Alumni Notes*

As the Bulletin goes to press, news comes that on March 16, the Faculty formally ratified the proposed five year course in Architecture, described at some length on page 356. It is to be known as "Course IV — Architecture," instead of Course IV, Option I, as formerly. The present Option 2 will be known as "Course IV - A — Architectural Engineering." The committee stated that the change in names was made because "the difference between the curricula of the proposed course in architecture and the course in architectural engineering is so great that the two cannot properly be called options in the same course; and if the previous recommendations are adopted [they were] the degrees will not be the same."

Two scholarships of three hundred dollars each are again offered for the year 1927-28 for special students in the third or fourth year in the Department. They will be awarded as the result of a competition in design under the direction of the Committee on Design.

The competition is open to citizens of the United States of good character who are between twenty-one

and twenty-eight years of age and who have had at least three years of office experience. The competition will be held from May 21 to May 30. Competitors may be allowed to prepare their drawings wherever conditions conform to those imposed by the Committee, but these drawings must be sent to Boston for judgment. Applications should be in Mr. Emerson's hands by April 11.

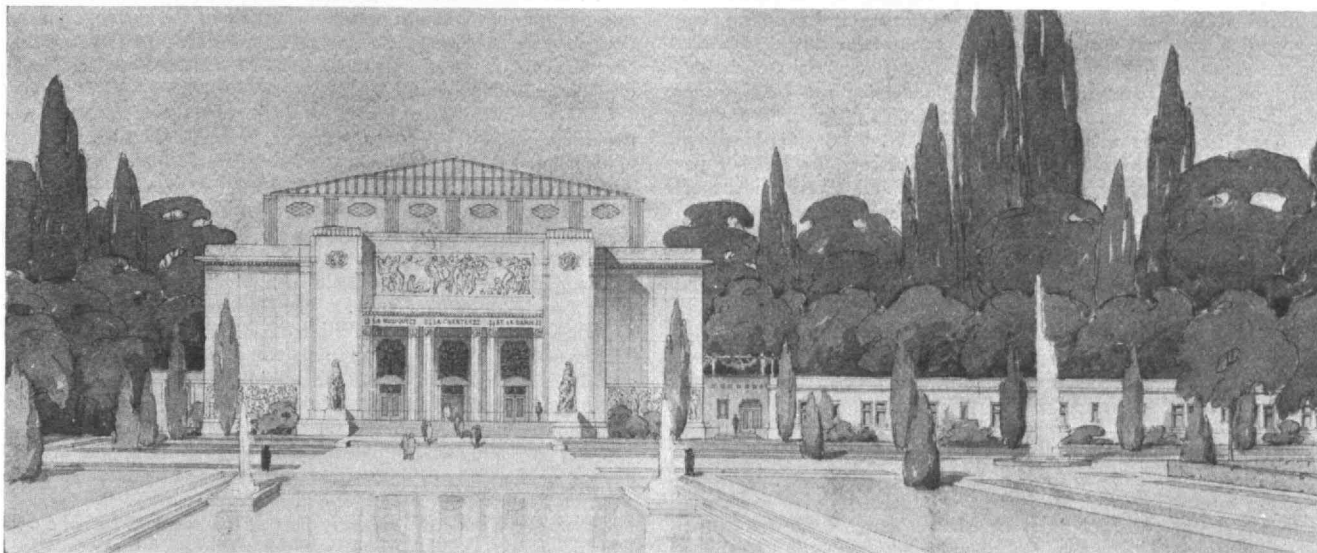
A very interesting competition has been held recently in the city of Providence, R. I., in an effort to choose by this means a fitting soldiers' and sailors' memorial for the city. Mr. Henry H. Kendall, '76, was advisor in this competition; Mr. Emerson served as one of the members of the jury. From ninety-eight drawings submitted, three were selected, prizes awarded to their creators and the latter invited to a further competition with a view to building the memorial itself. The firms winning the prizes were those of Paul Cret, Perry, Shaw and Hepburn, Clarke and Arms. Messrs. Perry, Hepburn, Clark and Arms are all graduates of the Department in the Classes of '07, '03, '10 and '11 respectively.

Mr. Emerson has recently issued a letter to graduates of the Department which warrants republication here.

"Through the friendly coöperation of the family of the late Professor F. W. Chandler and of the artist, Miss Gertrude Fiske, the Department of Architecture has the chance to secure a copy of a most satisfactory portrait of Professor Chandler that is now in the possession of his family.

"In order that all who knew and loved Professor Chandler may share in the opportunity to procure this portrait, you are hereby invited to make some small contribution as evidence of your interest."

At the meeting of the Board of Directors of the Press of the A. I. A. held in New York City in January, Mr. Emerson, first Vice-President, was elected a director to fill the vacancy caused by the resignation of Mr. Milton B. Medary, Jr., President of the A. I. A.



AN ACADEMY OF DANCE AND PLASTIC CULTURE

*Space limits prevent reproduction of the splendid plan that goes with this elevation by Frederick Wolcott Keith, '27, in the Fourth Year of Design*

# News from the Alumni Clubs

## *The Technology Club of Cincinnati*

PRESIDENT SAMUEL W. STRATTON was the guest of the Club at the annual meeting held on Saturday, February 19, at the University Club. Despite the short notice allowed for announcing the event, over forty of the local Alumni were present to give President Stratton a rousing ovation.

After enjoying an excellent dinner, the members quickly disposed of the business of the election of officers for the coming year. Herman W. Lackman, '05, was chosen President, Edward H. Kruckemeyer, '11, Vice-President, William V. Schmiedeke, '12, Secretary and Oliver L. Bardes, '21, Treasurer. Stuart R. Miller, '07, chairman of the scholarship committee, then reported on the activities of his committee during the past year in which a sum of \$306 was collected, this being an average of two dollars per member, the usual individual subscription amounting to five or ten dollars. Three hundred dollars was spent in paying the tuition of our first candidate for the scholarship who is now at Technology, where his records are proving satisfactory. The policy of the Club is to limit the scholarship fund to the freshman year only and steps are now being taken to provide funds for sending a new man to Technology for the next school year.

In the wake of a regular "M. I. T.," President Stratton began his talk regarding present-day Technology and held his audience in close attention for over two hours. It was an interesting journey through all the courses, covering the work of both student body and faculty, inside the academic walls and outside, and leaving little untold of the human side of student welfare developments. So thought-provoking was the discourse that Dr. Stratton was held another hour to answer questions, and it was well after eleven before he found himself free. President Stratton has established a high place for himself in the esteem of the Technology men of Cincinnati.

This meeting brought out a number of men whose appearance at our affairs has been rare, and following Dr. Stratton's tonic we look for a rejuvenation of the spirit that will swell the number of those attending the noonday luncheons held every Tuesday at the Hotel Havlin.

WILLIAM V. SCHMIEDEKE, '12, Secretary,  
123 Valencia Street, Cincinnati, Ohio.

## *Technology Club of Philadelphia*

The American Society for the Advancement of Science held a convention in Philadelphia during the Christmas holidays. This convention attracted many men of the Institute Alumni and members of the faculty. With this knowledge in our possession the weekly luncheon of the Technology Club of Philadelphia was held at the Engineer's Club instead of Wanamaker's Tea Room. We were fortunate in having with us Professor H. W. Tyler, '84, Head of the Department of Mathematics, and S. C. Prescott, '94, Head of the Department of Biology and Public Health, and Vice-President of the Alumni Association. Professor Tyler gave us his version of the decreased enrollment at the Institute, which seemed to satisfy all present as to the reason for this condition, and they assumed it was no cause for alarm. Professor Prescott told of current events at Cambridge, which was also gladly received. We were indeed glad to have these gentlemen with us and their visit will be long remembered.

Mr. Elisha Lee, '92, President of the Alumni Association, was also present, although due to a severe cold he was unable to address the gathering. Other gentlemen present who are prominent in the community were: Colonel David A. Lyle, '84, Major Clayton W. Pike, '89, William S. Newell, '99, and P. H. Chase, '09.

The next meeting is scheduled to take place Wednesday, March 2. For the entertainment of the younger graduates we plan to have a game night when most of those present will match their wits in the game of bridge. This will be the first meeting since the Christmas gathering just described. It is our hope and ambition to have the Honorable "O. B. D." with us in the near future; the exact date has not yet been decided.

The weekly luncheons held Thursdays at Wanamaker's have been well attended. Dean Burton was present at one of these occasions and outlined the plans for the dormitory campaign. We were delighted in having the Dean with us and feel that he is working on the most urgent need of the Institute. We hope to start a campaign for a Pennsylvania Section in combination with the Clubs of Pittsburgh and Harrisburg. We wish all Technology men visiting Philadelphia would plan to attend our weekly luncheons held Thursdays in Wanamaker's Tea Room at 12.30 P.M. A table is reserved for the occasion.

ARTHUR GROSSCUP, '20, Secretary,  
S. E. Cor. 5th and Race Streets, Philadelphia, Penna.

## *The M. I. T. Club of Akron*

In the evening of January 27, 1927, the Technology Club gathered in the grill room of the University Club. There were thirty-two present, and the occasion will be remembered as most interesting and enjoyable. The dinner was served in a more or less "cash and carry" style, each person passing a table laden with a variety of good things to eat and helping himself. The idea was found to have its advantages. Shortly after the dinner, the nominating committee, consisting of A. M. Hamblet, Chairman, H. H. Partridge, and H. S. Alexander, made their report through the chairman. The officers nominated were as follows: President, Lester W. Brock, '07; Secretary-Treasurer, J. A. Holland, '25; Representative on the Alumni Council, C. R. Johnson, '11.

After the formal election to office had been carried through, we had a few words from the outgoing officers, Mr. B. Darrow, President, and Parry Keller, Secretary-Treasurer, who then vacated their chairs in front of the gathering in favor of their successors. Thus far, however, neither of them have had much luck at vacating their official positions, and in that connection, the present officers want to express their gratitude for the assistance they have had from Messrs. Darrow and Keller in preparation for this meeting.

Following the election of officers, we were entertained by C. B. Orr, of the Goodyear Tire Design Division. Mr. Orr is a magician of considerable ability, and after he had been working for an hour or so he had us all pretty well bewildered. The entertainment he provided was among the best that we have had at Technology Club gatherings for a long while.

Mr. Orr's performance was followed by the announcement of the returns of a questionnaire passed out earlier in the evening. Several persons in the gathering were awarded appropriate prizes for receiving the most votes for the positions of Ladies' Man, Most Popular, Dumbest, Hardest Boiled, and so on.

Chips were then passed around, and after a few minutes at roulette and dice tables, Mr. W. A. Sheppard, '11, had more chips left than any of his fellows. In fact, he was about the only one who had any left at all. This concluded the meeting.

The Entertainment Committee in charge consisted of Norris E. Kimball, Chairman, Robert A. Allton and Richard S. Chatfield. They certainly deserve a lot of credit for providing us with a very enjoyable evening, and one which we will not soon forget.

On Tuesday, February 15, 1927, the Club enjoyed a most pleasant evening at the home of Mr. P. W. Litchfield. O. B. Denison, Secretary-Treasurer of the Alumni Association, was guest of the Club, and the combination of meeting place and guest assured us of an unusual meeting. It certainly was most enjoyable, and the Club members, by their large attendance, showed their appreciation of the kindness of Mr. and Mrs. Litchfield in opening their home to us, as well as their interest in the Alumni Association as personified by Dennie. There were forty-four of our seventy-five members present.

Dennie's talk took up the early part of the evening. In it he outlined the growth of the Institute, additional courses, future expansion, building, and so on, and proved to us quite conclusively that Technology is a wide-awake school. Following his talk, we turned to a discussion of the National Technology Center in New York. A resolu-



tion was passed, putting the Club on record as approving of the project.

Next on the program was a movie showing the work of Technology men in the School of Chemical Engineering Practice. Doc Kelly starred as the operator of the machine.

At this point Mrs. Litchfield announced that refreshments were ready for those who wished them, and forty-four men left the meeting rather suddenly. The refreshments consisted of lemonade, sandwiches, salted nuts and Valentine cakes, and the consumption was astonishing.

The members of the Club then gathered together once more, to hear Dennie sing, and to join in with him. We strongly advise any other Club which has the pleasure of entertaining Dennie to demand his "Sunday School Song." We in Akron shall certainly be all primed to ask it of him once more, when he comes again. With the singing of the Stein Song, the meeting broke up, and the second Akron Technology Club meeting within three weeks came to its conclusion. For its success we have Mr. and Mrs. Litchfield and Dennie to thank, and only wish that Mr. Litchfield had not been forced to be absent.

J. A. HOLLAND, '25, Secretary,  
Goodyear Tire and Rubber Co., Akron, Ohio.

### *M. I. T. Alumni Association of Cleveland*

The M. I. T. Alumni Association of Cleveland had their annual meeting at the University Club on Saturday, February 5, with an attendance of sixty-three. The following officers were elected: President, Frank R. Walker, '00; Vice-Presidents, Morse W. Rew, '09 and Stanley Motch, '99; Secretary, A. Illsley Bradley, '21; Assistant Secretary, Charles H. Reed, '20; Treasurer, A. D. Hatfield, '95.

The following men were appointed on the Executive Committee: George Merryweather, '96, Howard W. Green, '16, Allen Gould, '10, Arthur L. Patrick, '94 and Harry L. Grant, '01. After this business was taken care of, we had the honor of hearing Dr. Stratton. He told us a great deal about the affairs of the Institute and, after a series of questions, we were all surprised to find that the meeting had lasted almost five hours.

The week following this meeting we also had a representative from the Institute in Cleveland—O. B. Denison, the Alumni Secretary and Treasurer. He showed a film of the doings of Course X, that gave one a good idea of what a practical course it must be. He also told us of the undergraduate affairs, which we are always glad to hear about. While he was in Cleveland he showed the same film at our University School, a private school, and it helped a great deal in advertising Technology.

A. ILLSLEY BRADLEY, '21, Secretary,  
1010 Rockwell Avenue, Cleveland, Ohio.

### *Technology Club of Lake Superior*

The annual meeting and banquet of the Technology Club of Lake Superior was held on Tuesday evening, February 8, at the Kitchi Gammi Club, Duluth, Minn. In addition to our guest from Boston, O. B. Denison, '11, we also had as our guests, both for the dinner and meeting, the following: R. D. Chadwick, principal of the Morgan Park High School, Duluth; James Taylor, principal of the Denfeld High School, Duluth; A. M. Santee, principal of the Central High School, Duluth; A. D. S. Gillett, President of the Superior State Normal College, Superior; C. G. Wade, principal of the Superior High School, Superior; and Ashley Conrad, principal of the East End High School, Superior.

The Technology Alumni present at our meeting were: Charles R. Bailey, '24, Leland Clapper, '09, W. Russell Farley, '23, Frank Hayes, '90, Allan N. Hoyt, '23, W. C. Lounsbury, '04, Dr. Charles J. Muller, '20, J. A. Noyes, '12, H. I. Pearl, '10, W. R. Peyton, '90 and Don H. Radford, '12.

As this Alumni Club has had several communications from Professor H. W. Tyler, '94, chairman of the Committee on Admissions at the Institute, regarding real or imaginary difficulties which prevent boys this far away from the Institute from being admitted to the school, the first part of our meeting was devoted to a very frank round table discussion with the five high school principals and the normal school president on this whole problem. Several facts of interest in regard to present high school curricula were brought out and have been communicated to Dr. Tyler.

Following this discussion, Mr. Denison gave us a very interesting and entertaining picture of the new features at the Institute including men, buildings, student activities, courses of study, alumni aims, and so on. Following this talk, Mr. Denison performed at the piano with his usual pep and wit, and was enjoyed immensely, not only by all the Alumni present, but also by our guests. The meeting adjourned at a late hour with the singing of the Stein Song.

Mr. Denison spent two days with us at the Head of the Lakes, and the officers of the local Alumni group had arranged speaking dates for him at five of the local preparatory schools. During these two days, Mr. Denison addressed approximately 2,375 upper classmen in the high schools and normal school at Duluth and Superior. On the evening previous to our alumni banquet, Mr. Denison also spoke to a group of business men of Superior, Wis., known as the Public Affairs Committee, on the subject of "Commercial Aviation," at which time he called attention to the pioneer work in aviation that has been done by the Institute, as well as calling attention to our present facilities for the study of aeronautic engineering.

J. A. NOYES, '12, Secretary,  
1507 Alworth Building, Duluth, Minn.

### *Technology Association of Minnesota*

On the occasion of the visit of Orville B. Denison, '11, Executive Secretary of the Alumni Association, a meeting of the Technology Clubs of the Twin Cities was held at the Minneapolis Club.

At a short and snappy business meeting, Frederic Bass, '01, was elected President, and Richard H. Coombs, '19, Secretary. Consensus of opinion, at least with the newly elected officers, was that it was a packed meeting, but as enough votes against could not be registered, it looks as if they would be obliged to serve.

Mr. Denison gave a very interesting talk on new courses and activities at the Institute, and also showed the moving pictures describing the School of Chemical Engineering Practice. A motion was also passed indorsing the proposed National Technology Center to be built in New York, for it was felt that it would be a good place for the men out here to visit on their trips to the effete east.

The youngest graduate present was J. E. Nicholas, '26, and the oldest graduate, George Scales, '89. MacGowan, '95, and Jesse Shuman, '97, had their argument as to which was the best Class, as per usual.

RICHARD H. COOMBS, '19, Secretary,  
506 Plymouth Building, Minneapolis, Minn.

### *Indiana Association of the M. I. T.*

On January 27 the Indiana Association of the M. I. T. dined at the Indianapolis Athletic Club and had the pleasure of hearing Professor Howard Jensen of Butler University discuss "Church and State in Mexico." Professor Jensen is a forceful and interesting speaker and gave us first-hand information, which he had gathered while in Mexico during the past summer with a group of Americans, who had interviews with President Calles and other government officials, as well as high church officials.

In attendance at this meeting were W. J. Daniels, Dean A. A. Potter of Purdue University, J. W. Stickney, W. W. Bonns, H. M. Wood, J. N. Burford, L. D. Nix, A. I. Franklin, W. M. Taylor, H. A. Scherrer, D. C. Hooper, J. L. Wayne, W. B. Parker, President H. S. Morse, F. C. Balke and the Secretary. During the evening, Mr. G. O. Clifford of Evansville, who was visiting in the city, dropped in and was welcomed as a new Technology man in the fold.

On Saturday evening, February 12, our good friend Denison helped us to celebrate Lincoln's birthday by joining us at dinner at the University Club. At this dinner a new constitution for the Indiana Association was adopted.

Mr. J. M. Naughton, '23, who has accepted a position in Pittsfield, Mass., announced his resignation as Treasurer of the Association. We are very sorry to lose Mr. Naughton, one of our most loyal Alumni, and wish him all success in his new business connection. Mr. D. C. Hooper, '26, was elected Treasurer to succeed Mr. Naughton.

Mr. Denison presented interesting facts and figures on various phases of Technology activities, such as the endowment, number of students in each course and in each class, and so on, and stressed, among other things, one of the leading features of Technology training, — namely, the personal contact between department heads and students. Mr. Denison presented an outline of the plans and hopes for the National Technology Center, and, after some discussion, the Indiana Association voted unanimously in favor of this project.

Those in attendance at this dinner, in addition to Dennie, were A. S. More of Marion, Vice-President of the Technology Clubs Associated; Dean A. A. Potter, Professor W. P. Turner, Major W. O. Beven, all of Purdue University; A. L. Johnson of Muncie, President H. S. Morse, J. L. Wayne, N. D. Doane, W. J. Daniels, F. C. Balke, W. W. Bonns, O. D. Bohlen, J. N. Burford, L. D. Nix, D. C. Hooper, B. R. Hauelsen, J. M. Naughton, A. I. Franklin and the Secretary.

President H. S. Morse has appointed J. L. Wayne as chairman of the committee on coöperation with Technology.

F. J. TRAVERS, '23, *Secretary*,  
210 E. McCarty Street, Indianapolis, Ind.

### *Niagara Falls Technology Club*

On February 18, our genial Secretary, Orville B. Denison, '11, paid a visit to Niagara Falls and called upon the various Alumni residing in this district. In the morning Mr. Denison gave a talk at the Niagara Falls High School to about 1,200 students, depicting the work carried out at Technology and illustrated the operation of the School of Chemical Engineering Practice by means of two reels of movies. Concluding his speech, Dennie played and sang a few Technology songs, which were received with great applause. Following dismissal of the high school assembly, a number of the students questioned Dennie concerning the work at the Institute, indicating the interest he had awakened in the students of this city.

A joint meeting of the Buffalo and Niagara Falls Technology Clubs was held the same evening at the Niagara Club in Niagara Falls, at which about forty members from Buffalo, Niagara Falls and Lockport were present to enjoy the dinner and the opportunity to again renew acquaintances with Dennie.

One of the events of the evening was a surprise party pulled on Mr. Harry Noyes, '90, President of the Niagara Falls Club. Suffice it to say that through the political influence of Jake Strader, '96, and other members, Harry was allowed to remain with us until the end of the meeting.

After equilibrium had again been established, and means taken to further protect President Noyes' interests, a most enjoyable dinner was served. Following the dinner, Dennie gave us a very enlightening talk, covering the present status of various affairs at Technology, together with an outline of future plans. After a lengthy discussion on the proposition of the establishment of a National Technology Center in New York, the members present cast a vote unanimously in favor of the principle of the project, provided the Committee of the Institute Corporation approve the financial soundness of the plan.

Dennie lived up to his reputation as a speaker, with the result that it was too late to pull off the bowling contest between Buffalo and Niagara Falls. This event will, however, take place at some future joint meeting of the Clubs.

W. C. READ, '09, *Secretary*,  
Union Carbide Co., Niagara Falls, N. Y.

### *Atlanta Association of M. I. T.*

If anyone had doubted the loyalty and good fellowship of Technology's Atlanta sons, they would have had this doubt quickly dispelled had they dropped in at the annual dinner last Monday evening.

The East Lake Country Club was taken over by the Association and, under the most able and jovial leadership of Rawson Collier, '00, who acted as toastmaster, the newcomers were welcomed and the old-timers were persuaded to strut their stuff. During and after the dinner, an election of officers for the ensuing year was held, with C. A. Smith, '99, running F. W. Hadley, '93, a close race for President. Mr. Smith, due to his superior ability as a politician and his powerful influence with the ladies present, not to mention the popularity of his platform (a wet one), won in a walk. W. E. Hugar, '22, was elected Vice-President, Andrew M. Fairlie, '03, Treasurer, and Thomas E. Moodie, '24, Secretary. H. L. McLaughlin, '18, and W. E. Sayward, '01, maintained their reputation as able politicians and interesting after-dinner speakers. The latter part of the evening was spent in dancing and listening to several very beautiful solos rendered by H. R. Bates, '94.

The Atlanta Association of M. I. T. meets every Friday at 12.30 p.m. at the Hotel Ansley Grill. A hearty welcome is extended to all visiting Alumni.

THOMAS E. MOODIE, '24, *Secretary*,  
305 W. Peachtree Street, Atlanta, Ga.

### *Detroit Technology Association*

The Detroit Technology Association, although it has not appeared regularly in *The Review*, is well started on its activities for the year. Alfred E. Burton, former Dean, made us a visit in December, and proved most interesting. Although we have not yet had a report on the results obtained here, we trust that his time was well spent.

O. B. Denison, '11, visited us the first of February. As Detroit was the first city on his western trip, he had some red-hot news for us on all the situations at the Institute. We are always sure to get a good crowd at Dennie's meeting.

The next event on our program is our annual dinner to be held March 21, at which time Professor James F. Norris will be our guest and speaker.

EVERETT F. DOTEN, '19, *Secretary*,  
1217 Book Building, Detroit, Mich.

### *Technology Club of Chicago*

Up to this time Ye Humble Scribe has always considered it a distinct advantage to be numbered among the classmates of one Orville B. Denison, '11, Executive Secretary of the Technology Alumni Association. At this moment it is an overwhelming disadvantage because, if all the favorable comment over his recent visit to our Club were to be reported here, the encomiums of praise would be attributed to Class spirit rather than to his intrinsic ability.

During his brief visit here he addressed the boys of our three foremost high schools, and they were enthusiastic about his talk. The Club turned out a hundred strong at a smoker at the Electric Club in the evening and learned how far Technology has advanced since we grads left its portals. At the close of the general discussion, individual queries were taken up, and this living Encyclopedia Americana dispensed all manner of information ranging from the curriculum of the Course in Aëronautics to the menu for tomorrow in Walker Memorial.

All the fellows who were at the smoker know the good time they had, and all who weren't have the next occasion to anticipate. There is a probability that President Stratton may come out here in March, and that will be an event of major importance, as several Presidents of the United States have been here since we last had the pleasure of a visit from the President of Technology.

JAMES F. DUFFY, '11, *Secretary*,  
19 South LaSalle Street, Chicago, Ill.

### *Southwestern Association of M. I. T.*

The Association held a luncheon at the Kansas City Club, on January 18, at which ten Alumni were present. Hermann C. Henrici, '06, presided, which may account for the fact that after lunch was over we discussed the possibility of holding an evening meeting sometime during the spring. Others present included H. L. Robb, '21, A. T. Cushing, '11, W. D. Norwood, '23, C. E. Brown, '20, J. C. Irwin, Jr., '18, G. W. Hall, Jr., '23, Page Golsan, '12, B. W. Crenshaw, '23, and myself.

For apparently no reason at all, unless it was due to talk of a new meeting place or an evening meeting, our next luncheon attracted an unusually large number. We met at the University Club on February 8, where we had the advantage of a small dining room entirely to ourselves. There were eighteen present, which, with the exception of Brown, Irwin, and Crenshaw, included those named above, and also D. C. Bollard, '07 (who has not often been around), C. S. Timanus, '18, H. F. Sutter, '13, E. J. Bray, '26, J. H. Driggs, '21, William L. McPherrin, '14, J. W. O'Brien, Jr., '18, R. J. Scholtz, '22, H. L. Havens, '09 (another stranger), H. A. Rapalye, '08, and J. J. Falkenberg, '19. Crenshaw came in a few minutes after lunch to listen to latest developments.

Henrici took advantage of our gathering to mention that our schools committee, headed by Crenshaw, has made itself known to the principals of several of the Kansas City high schools, who have expressed their pleasure at knowing that they could refer to Crenshaw whenever any student became interested in knowing something more about the Institute than what may be found in the published catalogs. This promises an opportunity to keep in touch with any young men who are contemplating going to the Institute.

ELTWEED POMEROY, '23, *Secretary*,  
320 Dwight Building, Kansas City, Mo.

# News from the Classes

*News from even-numbered Classes is published in issues dated November, January, March and May. News from odd-numbered Classes is published in issues dated December, February, April and July. The only exceptions to this rule are those Classes whose Secretaries have guaranteed the appearance of notes in every issue. These Classes are: 1895, 1896, 1900, 1901, 1902, 1905, 1907 and 1910 to 1926 inclusive. Other Classes adhere to the alternate schedule. Due to necessary limitation of space, The Review is unable to publish lists of address changes of members of the Association. The Alumni Office, in Room 3-209, M. I. T., will supply a requested address or will act as the forwarding agent for any letters addressed to members of the Association in its care.*

**'75** Owing to the severe illness of our Secretary, Hammatt, his work, for the time being, has devolved upon the writer. Hammatt has the sympathy of the Class and best wishes for his speedy recovery. This is especially true of the writer who does not crave his job.

The forty-fifth annual meeting of the Class was held at Young's Hotel on February 11 when six old fellows touched toes under the table. If those who can do not turn out for these functions, the Class will soon be dining off a smoker's stand. Those who attended were Wilfred Lewis, Bowers, Goodale, Lincoln, Dorr and Hibbard. The present board of officers was reelected to serve another year.

Lewis is still engaged in his research on stresses in gear teeth at the Technology engineering laboratory. When ready, he is going to give us some valuable facts. He reports a daughter recently married and now living in Brookline.

The writer has recently been engaged in the search for the original owners of certain lots of land by the town proprietors of Dorchester in the seventeenth century. The lots are situated in many of the towns of Norfolk County. His search has revealed many interesting facts as to how the land came to be divided among the settlers. Much of this information cannot be found in print.

The writer's younger son, Technology '25, having completed a post-graduate year at the University of California, has accepted a position with Ford, Bacon and Davis, industrial engineers of New York.

THOMAS HIBBARD, *Secretary Pro Tem.*,  
33 Crawford Street, Roxbury, Mass.

**'81** Miss Grace Clark again writes me that Eighty-one seems not to have possessed any "sky-rockets," but we did have our high-flyers (like Godfrey Cabot) who are still flying. An all-round Class, surely. It does seem to me that, as we are forty-five years young this year, we should be allowed to demonstrate our youth. Our interest in Technology and amateur athletics has been steady since before 1881. It is not to be forgotten that our Class gave a gate to Technology Field in Brookline, which has since been transferred to be the real entrance to the present field at Cambridge.

George Mower is doing the "International," and our old friend, Dr. John Duff, with his easily distinguished white hat was a landmark around Bunker Hill. His wife too, at one time, was not "hiding her light under a bushel" on the school committee. — Kohler is ending his life in Australia, and he seems to have strayed farther from home than any one, but there are many of those old classmates gone, and a few are constant travelers. — Ned Lewis was elected Vice-President of the Old School Boys of Boston Club for the year 1926-27.

The Boston *Transcript* of January 21 had the following article: "The State Department of Conservation announced today that Miss Susan Minns, 14 Louisburg Square, Boston, has made a gift to the Commonwealth of a tract known as Little Wachusett Mountain, Princeton, containing 127 acres, to be a wild life sanctuary forever. The gift was accepted by Governor Fuller and the executive council at their meeting yesterday afternoon. In announcing the gift the department says: 'This is one more link in the chain of the permanent wild life sanctuaries which is gradually being established throughout the state. All of our citizens will appreciate the generosity and public-spiritedness of the donor.'"

FRANK H. BRIGGS, *Secretary*,  
390 Commonwealth Avenue, Boston, Mass.

**'85** The peaceful conditions that have existed around Boston this winter may be explained by the fact that the turbulent spirit of Eddie Dewson is hemmed in by Mrs. Dewson and the golf links at Davenport, Fla. The Dewsons are stopping at the Holly Tree Inn and expect to remain until April 1.

Fred Newell is always thoughtful in sending news of his doings, but Harry Tyler, jealous of the brilliant galaxy of noted men in '85, claims that as Fred stayed long enough with '84 to become ill, he, as Secretary of that Class, is entitled to touch the hem of Newell's bathrobe. We can resist anything but manly tears dripping like the ointment from Aaron's beard, so we gave in this once.

Nat Robertson came all the way from the grime of Scranton, Penna., to attend the Alumni Dinner in January and meet half a dozen of his classmates. President Frazer was there to welcome him and uphold the honor and dignity of '85. The Boston *Herald* had a cartoon next morning depicting C. C. Pierce in a characteristic pose, announcing that '85 was the best Class that ever came over the pike while the group around the '86 banner nodded assent. "Truth crushed to earth will rise again, but eggs won't!"

Mr. J. H. Bates of Olympia, Wash., is visiting, or rather sojourning in New York. The Secretary had a pleasant chat with him at the Technology Club, and learned that he would be in Boston to grace the annual Class dinner.

We only learned recently that J. O. Ellinger, who was with us for a time at Technology, and who attended the Fortieth Reunion at Wianno, died suddenly last fall.

Charley Brown and the Secretary went to Springfield and with Frank Page represented the Class at the funeral services for Jack Harding. Frank and Mrs. Page entertained them over night.

"On November 1," says an announcement signed by T. S. Knight, Manager of the New England District of General Electric, and issued under date of October 25, "George F. Steele, desiring to be relieved of the details of his office, will retire, having completed forty-one years of earnest, efficient, and exceptional service with the General Electric Company, the last seventeen years as Manager of the Industrial Department of the New England District.

"As a pioneer in the application of electric power in many notable instances Mr. Steele has acquired a broad acquaintance so that it is fortunate that he will still be available for consultation and also for assistance in connection with negotiations with many of his former customers as well as with those special customers for whom he has always been personally responsible.

"Mr. Steele was born at Derry, N. H., October 12, 1863, and moved to Somerville, Mass., in 1867. He attended the Somerville High School, and then went to the Massachusetts Institute of Technology, where he took the course in electrical engineering and was graduated in 1885. In the fall of that year he entered the testing department of the Thomson-Houston Company at Lynn and remained there until the following summer, when a physician ordered a three months' rest because of eye trouble.

"In October of that year he entered the employ of the New England Electric Company, the New England agent for the Sprague Electric Railway and Motor Company of New York, serving first as Superintendent, then as Treasurer, and later as President and Treasurer, until April, 1890, when the parent Edison and Sprague Companies were consolidated forming the Edison General Electric Company, with S. B. Paine as district manager, and A. R. Bush as district engineer. Mr. Steele was also in charge of power work, but continued with railway work also and took on lighting, both arc and incandescent.



1885 Continued

"When the Edison General Electric Company and the Thomson-Houston Electric Company were consolidated, there was a separate Thomson-Houston Electric Mining Company with Robert Wiggin as manager. At that time (June, 1892) there was formed a Mill Power Department which consisted of S. B. Paine and Mr. Steele. In 1894 the general offices were moved from Boston to Schenectady, and the Thomson-Houston Mining Company, the Thomson-Houston Motor Company, and the Mill Power Department were consolidated into the Power and Mining Department with J. R. McKee as manager at Schenectady, and S. B. Paine as New England District Manager.

"About 1902 or 1903 Mr. Paine re-instituted the Mill Power Department and became its manager, but this time as a general office rather than as a district affair. In November, 1909, Mr. Steele was appointed district manager of the Power and Mining Department — which for the last four years had been the Industrial Department — and so continued until his retirement from active duties, on November 1, last year.

"Mr. Steele has just finished his forty-fifth consecutive year in tennis, which includes weekly games through the winter. Last year was also his thirtieth consecutive year in golf, in which he gets down, occasionally, into the eighties. He is an enthusiastic fisherman and an ardent football fan. He played four years on the varsity team while in the Institute. He is a member of the A. I. E. E., the Longwood Cricket Club, Woodland Golf Club, University Club, and the Central Club Association."

I. W. LITCHFIELD, *Secretary*,

Hotel Wadsworth, 10 Kenmore Street, Boston, Mass.

'91

A Class dinner was held at the University Club, Boston, on January 27. There were twenty-eight present: Ryder, Forbes, F. C. Holmes, Colburn, Capen, Fiske, Bradlee, G. H. Wetherbee, Fuller, Goodwin, Howard, Dana, Hatch, Dart, Barnes, Swan, Wilson, Punchard, Young, Bowen, Palmer, Thompson, H. I. Cole, Blanchard, Bryant, Rodgers, Vaillant and Wilder.

Horace Ensworth sent the movie film taken at the Thirty-Fifth Reunion. Dana secured a projector and we enjoyed the movies which showed up very well, especially our gastronomic feats at the clambake, and our athletic prowess. The lantern slides of our days at Technology were also shown. The attendance was greater than at any winter dinner for many years. It was fine to get so many of the men together. Walter Douglass had to attend another dinner at the Club the same night. We were glad to see Billy Dart with us again. Dana read a letter from Robert Ball and he expects to be in this country in March. He has been in England since leaving the Institute, a professor in the Department of Engineering at Cambridge. We hope to see something of him while he is in Boston.

The Athletic Association asked for a contribution from our Class to help pay off the deficit. We have sent them fifty dollars.

Charlie Aiken sent his regrets on account of his wife's illness and a telegram was sent from the Class to express our sympathy. Mrs. Aiken died that night after a serious illness of several years. Flowers were sent from the Class, and Bassett and Hopton attended the funeral which was at Franklin, N. H.

Will Bassett writes that he saw Henry Birks in Montreal recently. Birks has two grandchildren. His son, Henry, is in business with him so there are three Henry Birks in the jewelry concern of Henry Birks and Son, which is one of the largest, if not the largest, in Canada. Birks is always glad to see '91 men who may come to Montreal.

The Secretary has received letters from Alley, Shattuck and Hooper, all out Los Angeles way. Hooper writes that Richardson is not in good health. There are a number of '91 men on the Coast but Hooper says it would be hard to get them together as they are pretty well scattered. Probably they are getting "settled down." We Easterners would like to sample a little of their climate about now.

The new University Club at Boston is a great success, with all the facilities of a large athletic club, swimming pool, and so on. There are a number of rooms and generally no difficulty in getting accommodations. If you come to Boston and want the use of the Club, get guest cards from Arthur Hatch, Steve Bowen or the Secretary.

HENRY A. FISKE, *Secretary*,

Grinnell Co., 260 W. Exchange Street, Providence, R. I.

'93

On January 16, Fred Parker Emery, our beloved instructor in English and honorary member of our Class, died of pneumonia at Hanover, N. H., where for over thirty years he had been on the faculty of Dartmouth College. It was in the fall of 1889 that he was in charge of in-

struction in English at Technology and we were freshmen. All of the Class were taught by him and almost from the first lecture he won our hearts. He had the faculty of making a reputed dry subject one of live interest, but more than that, he aroused in us a deeper interest in himself, the man. For one thing he was about our own age and that in itself brought him nearer to us than was the case of older members of the teaching staff. Youthfulness was a lesser factor, however. It was his own fine, strong character, his genial personality, his depth of human understanding, and his interest in our problems and our life outside the classroom that made us love him as a friend. When we needed advice we came to him in our difficulties and for many of us he was confidant and counsellor and dean.

His leaving the Institute to go abroad about the middle of our course was a sad blow to us and it left a gap that was never filled by any other teacher. We have always said that Fred Emery was the most popular teacher we ever had. "Popular," however, is not just the word, for his was not merely popularity. It was something far deeper, a real attachment like that between an older brother and a younger. He and our honored President, General Walker, were the two men, who, more than any others, impressed themselves and their ideals on us undergraduates and contributed much toward character-building among the men of the Class.

From a friend of Mrs. Emery, has come the following letter: "Mrs. Emery is so prostrated by her terrible grief that she finds it impossible to write, even to her closest friends, so she has asked me to express to you, and through you, to the Class of '93 of the Massachusetts Institute of Technology her deep appreciation of their sympathy.

"You and your Class can never realize how great a joy it has been to Mr. Emery all the years since he left Technology to know and feel your love for him and your loyalty to him. You never failed to show your appreciation at every possible opportunity. Technology was always close to his heart and never far from his mind.

"Will you kindly convey to the Class Mrs. Emery's gratitude for the beautiful spray of flowers which they sent as a tribute to Mr. Emery?"

Charles V. Allen, after his many years in Mexico, is now permanently located in New York City as treasurer of the Westinghouse Electric International Company, at 150 Broadway. He writes the Secretary as follows: "I was much interested in the last Technology Review and it always carries a greater interest when the Class of '93 has mention therein as that is the first thing I look for.

"I note your request for any news, and your reference to being a granddad reminds me that I have been one for the last twenty months and I wish I had a photograph available to send you. The name is Gale Allen, a boy, and the father (my son) Howard B. Allen of the Class of 1918 is also of Technology, so you will note that there is a prospective freshman coming along.

"You will also note that I have spent twenty-one years in Mexico, but have now joined my Company's staff in New York, feeling that I had spent sufficient time in a foreign country under the turbulent times we have had to live with for the last several years." Allen particularly requests '93 men to look him up when they are in New York.

Jesse B. Baxter of Milton was elected President of the Blue Hills National Bank of Milton by the directors at their organization meeting this afternoon. Mr. Baxter succeeds Robert F. Herrick, who retires because his other interests make it impossible to give the bank the attention he desires. Mr. Herrick will continue as a director.

The following item from Farwell Bemis was brought forth by our last appeal for Class notes: "Your last '93 notes regarding items of news and interest from Class members called particularly to mind that December 30 last I became a grandfather for the first time through the birth of my oldest son's daughter, Margaret Bemis."

C. E. Buchholz is President of the Acme Gas Coal Company, at 107 Wilder Building, Rochester, N. Y. This company mines bituminous coal at Rimersburg and Shannon Station in Western Pennsylvania. Buchholz's career has been divided between railroading and the coal business. After graduation he was with the New York Central System in various engineering positions. In 1904 he engaged in the coal business at Philadelphia and later was Vice-President of the Rochester and Pittsburgh Coal and Iron Company with offices at Rochester, N. Y. Since 1920 until recently, he has been associated with the George Hall Coal and Shipping Corporation of Montreal, selling agents in Canada for several United States coal companies, and doing both the selling and the transporting of coal, having a large fleet of river and lake steamers for the latter purpose.

Fred N. Dillon of Fitchburg, Mass., whose annual vacation

1893 Continued

wanderings have taken him practically over the world, recently returned from South Africa. While there he met Glen L. Bateman, '25, former President of his Class, who is now associated with his father at Johannesburg. Through Mr. Bateman, Sr., he met Joseph N. Bulkley, '89, and was entertained by a number of Americans, including Mr. Bateman and Mr. Bulkley, on Christmas Eve at a dinner "long to be remembered." As Dillon says, the hospitality of the South African people is world renowned. His trip to South Africa included visits to Cape Town, Port Elizabeth, East London, Durban, Ladysmith, Bulawayo, Matopos Hills, Wankie, Victoria Falls, Livingstone, Pretoria, Mafeking and Kimberly. Dillon notes with special interest his visit to the diamond mines, gold mines, Victoria Falls and Cecil Rhodes' Tomb at Matopos Hills.

Dillon writes, "On my way to Africa, I stopped over in London a few days, and while there, went out to Rigby Wason's home and had tea with his family. Rigby has retired from business and seems very happy. He is taking some kind of an active part in the policing of London. He married late in life and has one son about a year old, and I think I never saw a finer specimen of a boy. Rigby's home and surroundings surely have the right atmosphere, and Mrs. Wason is very charming. We talked over old times and I hope some day Rigby will come across so we can give him a warm reception in Boston."

William Esty's son, Lucien, has collaborated with Justin Spafford in the publication of "Ask Me Another." *Life* describes it as "A book of questions on assorted subjects, after opening which the reader becomes good for nothing else until he has exhausted it." William Esty is professor of electrical engineering at Lehigh University, and is the author of text books and numerous articles on electrical subjects.

William W. Peabody has recently been made chief engineer of the Providence, R. I., Water Supply Board, succeeding Frank E. Winsor, who resigned to become chief engineer for the Board of Additional Water Supply for the Boston Metropolitan District. Peabody had been deputy chief engineer of the Providence Water Supply Board since 1915, serving throughout the period of construction of the notable addition to that city's water supply. Prior to his service at Providence, he had been for twelve years on the engineering staff of the Board of Water Supply of New York City and its predecessor, the Commission on Additional Water Supply. His earlier engineering work included service with the Metropolitan Water Board of Boston, the Proprietors of Locks and Canals, Lowell, Mass., and other state and municipal engineering work. His promotion to the position of chief engineer of the Providence Water Supply Board is a deserved recognition of his long training and achievements in this particular engineering field.

Herbert N. Dawes' business address is now 261 Franklin Street, Boston; Arthur E. Fowles' address is La Esperanza Ranch, Los Altos, Calif.; and George H. Ropes' address is 2539 Woodward Avenue, Detroit, Mich. Harry H. Thorndike and his family are spending the winter at Palm Beach, Fla.

FREDERIC H. FAY, *Secretary*,  
44 School Street, Boston, Mass.  
GEORGE B. GLIDDEN, *Assistant Secretary*,  
P. O. Box 1604, Boston, Mass.

**'95** If you wonder at times at the apparent lateness in reporting to you certain items and happenings of the Class, you must remember that *The Review* is printed on time and all notes for an issue must pass muster about two months before such issue appears from the press. The clearing date for information is approximately about the twenty-third day of the month, so please keep this fact in mind. It is the Secretary's desire to get all the news to you as quickly as possible.

The Annual Banquet of the Alumni Association held on Saturday, January 15, is past, but those of the Class of '95 who were able to attend will well remember this most delightful gathering.

The banquet savored of a very prosaic atmosphere, but was enlivened by the very optimistic speech of Mr. Charles M. Schwab and the repartee of Ballou, Tillinghast, Booth, Brackett and Jene Clapp. We had eleven men in all: T. B. Booth, W. C. Brackett, Frank A. Bourne, Latimer W. Ballou, Eugene H. Clapp, Gustavus Clapp, F. A. Hannah, H. M. Haven, Winthrop D. Parker, Charles F. Tillinghast and L. K. Yoder. We also had a guest at our table, Robert L. Fuller, '96, who decided to cast his lot with the best looking bunch of men at the banquet and we are led to believe his choice in the matter was well rewarded. F. A. Bourne officiated as chairman of the Entertainment Committee and we acknowledged Frank's great efforts by a rousing cheer from our table.

We are compelled to report with deep regret the death of Herbert E. Smith, VI, on October 12, 1926. This information came to us through John D. Moore, Secretary of the '95 New York City Club. Mr. Smith was associated with the office of Borough Engineer of the City of New York as assistant engineer. He had been in service in this capacity for some years and his early passing is deeply to be regretted.

The following report was received from John Moore at New York: "The New York fellows had a rattling good get-together at a luncheon at the Railroad Club on January 18. These seventeen men were present: Col. Azel Ames, F. W. Belknap, A. L. Canfield, H. M. Crane, H. P. Coddington, F. B. Cutter, B. C. Donham, A. W. Drake, J. H. Gardiner, F. C. Green, E. H. Huxley and brother, F. A. Park, C. L. Parmalee, R. B. Sheridan, J. J. C. Wolfe, C. R. Wray and J. D. Moore. A welcome recruit was Wray of Rochester who happened to be in town. Dr. J. T. Dorrance of Camden, N. J., was expected, but illness kept him away. The next luncheon will be held February 24."

The City of Boston, the Institute and members of the Class of 1895 in this vicinity lose a splendid citizen, a most loyal worker, and a truly trusted friend by having Wallace C. Brackett, transfer his business activities to the City of New York. W. C. Brackett has been President of the Sanitas Manufacturing Company in Boston for some years. He has completely severed his connections with this company and has been located in New York since February 1, as general manager and engineer in charge of buildings of the large real estate holdings of Charles G. Edwards Company. His business address is 93 Worth Street, New York.

In all the affairs of his Class, Institute and business connections he has endeared himself through his delightful personality and his faithfulness to trust, and he will be greatly missed by everybody. In honor of his departure, a number of the Class in this vicinity tendered him a complimentary dinner at the University Club, Boston, on Saturday evening, January 29. The dinner arrangements were prepared by President Booth and Secretary-Treasurer Yoder. It proved to be one of the most delightful gatherings held in many years.

The order of exercises comprised a really full-fledged dinner, following which order was restored by the President's gavel. Each member attending had carefully prepared a suitable exhortation, embodying his criticisms as well as good wishes for the guest, and personally presented a joke-gift typifying his past, present and future. Finally the guest, somewhat "unstrung," suitably replied to the various generous presentations and explained his plans in detail. The last event was the occasion of presenting to Wally a loving cup with the engraving, "From your friends of the Class of '95, M. I. T." After these formal ceremonies were completed the boys exchanged many personal reminiscences and discussed the best ways and means of humanizing Technology. The following men attended this dinner, besides the guest: T. B. Booth, F. A. Bourne, E. H. Clapp, A. D. Fuller, F. A. Hannah, James Humphreys, W. D. Parker, E. A. Tucker, Roger Williams, W. S. Williams, H. C. Whorf, W. H. Winkley, L. K. Yoder. Frank T. Miller joined us later in the evening and we received a telegram of regrets from H. M. Haven who could not attend on account of business. Everyone wishes our good friend Brackett the greatest success and enjoyment in his new undertaking.

LUTHER K. YODER, *Secretary*,  
Chandler Machine Company, Ayer, Mass.

**'96** Were it not for the fact that the Secretary attended the annual meeting of the American Institute of Mining and Metallurgical Engineers in New York in February, there would be practically no items of news to report at this time. Although the days of this meeting were so full that it was impossible to make any contacts with the classmates in New York, it was the Secretary's good fortune to meet some classmates at the meeting. Captain Bakenhus was present as the guest of the Institute, and he brought Mrs. Bakenhus along. He reported that his term of duty as a member of the instructing staff at the Naval War College at Newport was drawing to a close and that he had no idea where he would be assigned for the next job. He sees Charlie Morris occasionally and finds him to be settled down as a staid old married man, who thoroughly enjoys his home life. One of the high lights of the meeting was the delivery by Bradley Stoughton of the annual Howe Memorial Lecture on alloy steels. Eugene H. Laws was also present and it was the first opportunity that the Secretary had had to have a chat with Laws for some years. He has been gradually working east after having gone to the extreme west. For many years he was in charge of the smelter at Salida, Colo. From there he went to the Coeur d'Alene district of Idaho, and thence to take charge of the smelter at Northport,



1896 Continued

Wash. The same company which controlled the Northport smelter also controlled the plant of the Pennsylvania Smelter Company at Carnegie, Penna., so that two years ago he was transferred to the eastern plant, where he remained until the end of 1926 when he became associated with the Nichols Copper Company at 25 Broad Street, New York. This new location has enabled him to go back frequently to his old home in Bedford, Mass. He has not yet become settled in New York, but he and Mrs. Laws are still living temporarily at a hotel. This hotel life is not entirely satisfactory, especially since Laws bought a new cornet not long ago and finds it impossible to play on it in a hotel without causing considerable disturbance. The suggestion was made that he ought to engage a broadcasting studio which would be sound-proof and thus be able to play to his heart's content. Laws would be delighted to receive calls from any classmates who happen to be in New York.

Early in February, Dr. Coolidge announced his refusal of the Edison medal which had been awarded him last December for earlier work with ductile tungsten. This refusal was based on the ground that a Federal court had ruled that Coolidge was not the inventor of ductile tungsten and under this ruling, Coolidge felt that he was not entitled to the award. The members of the award committee regretfully acceded to his request.

About every month the Boston papers note the report of H. C. Lythgoe and his staff. In January, 1927, 697 samples were analyzed as compared with 593 in January, 1926, and this year no trace of wood alcohol was found in a single sample, which caused Lythgoe to note that the quality of seized liquor was apparently improving. It may not be generally known to the Class that old-time ship owners still exist and that one of them is Richard O. Elliott, who still lives in his home town of Rockland, Maine, and who still carries on the shipping business of his ancestors. This came to the attention of the Secretary through the newspapers' accounts of the heavy northeast storm which swept up the Atlantic coast during the third week of February and caused the loss of the four-masted schooner *Cecil P. Stewart* of Rockland, Maine, which was bound from Savannah to New York with a cargo of railroad ties. The craft stranded on the shoals north of the Harvey Cedars coast guard station during the night of February 17. The crew of nine men were all saved, but the vessel became a total loss and Elliott was the owner.

CHARLES E. LOCKE, *Secretary*,  
Room 8-109, M. I. T., Cambridge, Mass.  
JOHN A. ROCKWELL, *Assistant Secretary*,  
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'97 Hugh Moore was assigned for the literary work of this number, but word reached us at the last minute that Hugh has been so tied up with his test tubes, retorts and other paraphernalia used in his diabolical activities that he has had no time for writing editorials. I suppose he has developed a process for making rayon from pine needles or seaweed.

After considering several places and getting all the information regarding accommodations, prices, and so on, it was decided at a luncheon meeting at the University Club on Saturday, February 5, to hold the Reunion at Boxwood Manor, Old Lyme, Conn., from Thursday afternoon, June 2 to Sunday afternoon, June 5. Old Lyme is midway between Boston and New York and only a few miles from Saybrook where our Twenty-Fifth Reunion was held. Charlie Bradlee looked the place over and says it will do very nicely. We are to have the new annex to ourselves with meals served in the Main House in a private dining room. For sports there will be golf, tennis, swimming, boating, horseback riding for those who have practiced on President Coolidge's electric horse, and bridge for the rocking-chair brigade, with suitable prizes for the winners. We have made very advantageous terms so that the entire charge will be only \$6.00 per man per day, or \$18.00 for the three days. Do not think that this indicates a cheap Reunion, as we have accumulated a war chest to take care of all prizes and extras.

The Secretary has recently received advices from A. S. Crocker of Rochester, N. Y., of the death, on November 28, of Frederick Elliott Healy, Course II. Mr. Healy, who was an expert rifle shot, was on a hunting trip in New Brunswick, when he was stricken with a sudden heart attack, dying in the town of Plaster Rock. He leaves a wife and daughter.

For a time after graduating, Mr. Healy was with the Government as chief inspector of ordnance, Bureau of Yards and Docks. He later became consulting engineer to the Director of Mints, and as such had full charge of equipping the Denver and San Francisco Mints in 1905

and 1907. For two months he was in Mexico City advising President Diaz on modern coining machinery and refining equipment. In 1912 he became consulting engineer for the \$5,000,000 hydro-electric generating plant at Montreal. After the war Mr. Healy came to New York with the Alberene Stone Company and at the time of his death was general manager for this concern. At one time he was coach at the rifle ranges at Seagirt, N. J., and was famous as a trap-shooter.

JOHN A. COLLINS, JR., *Secretary*,  
20 Quincy Street, Lawrence, Mass.  
CHARLES W. BRADLEE, *Acting Secretary*,  
301 Congress Street, Boston, Mass.

'99 Harry L. Morse writes that he is now located in Boston and his address is care of the Bethlehem Steel Company, 100 Milk Street. He states that he has been so occupied with oil engines since he arrived there the middle of last June that he has not gotten to the point of looking up classmates for social purposes, though he has seen George Perkins, and Miles Richmond. He is a bit reticent about himself, but T. F. Lennan writes from Joplin, Mo., as follows:

"I am breaking a long silence to write to the Class Secretary and tell of the meeting up with our classmate, Harry L. Morse, some months ago in Miami, Okla. Harry was in Miami, one of the cities of our Tri-State Zinc Field, as representative of the Bethlehem Steel Corporation in the placing of a large contract for power machinery by a group of mine owners. I met him in company of other men in a hotel restaurant; we recognized each other immediately. He stayed in the district long enough for me to have a little visit with him. He is the same old Harry of old. He fairly hypnotized my family with the tales of his travels and experiences, and it certainly raised my average with them to have them see that I knew a man of his attainments.

"While at my house we got out the Class Album, and it was then decided that each one of us would write you and give you an account of the visit we had with each other. In my usual dilatory way I have neglected to do this until now. We did have a good visit and it freshened us up to talk over the old days, and some of the days since."

Word has been received that C. M. Swan was elected a director in Johns-Manville Corporation at the reorganization meeting in December, and he is also treasurer of the Inter-Fraternity Conference. — Henrietta C. Dozier, a member of the American Institute of Architects, Jacksonville, Fla., has moved into new offices in the Barnett National Bank Building where she will be glad to see any of the old classmates who get down that way. She writes that Tietig called on her once, but it was a long time ago. — Charles B. Page recently returned from a research of European developments and trends, particularly in relation to motive power, and contributed a discussion to Messrs. Schmidt and Snodgrass' paper entitled "The Use of High Steam Pressure in Locomotives" read at the annual meeting of the A. S. M.E. in New York on December 7.

Norman Rood writes: "I have just received yours of January 18 regarding Class news. I feel guilty every time I get a reminder of this kind from you because I certainly have not assisted you very much in your efforts to keep the old Class of '99 on the map. The worst part of it is, however, that I can't see how I can better my record in the future. Jerry Street is the only other '99-er that I know of here in Wilmington and we hardly ever see each other as we are both very busy and Jerry roams all over the earth and is gone for long periods. I hope, however, that some of our other classmates can do more for you. I expect to make a trip to Chicago early in February and may be able to find old Arthur Hamilton there and give you a little news item about that, although as I recollect, the last time I saw Arthur he was planning to go to England to live. I am also going down to Joplin, Mo., and may be able to give you an up-to-date report on Tommy Lennan."

Tommy Lennan writes on January 26: "I saw Norman Rood at Wilmington early in December and he is just all 'steamed up' over jumping horses, fox hunting, and everything else that goes with riding horses."

Arthur Hamilton did not go to England to live. He has just sent in his address which is The Pasture, Sugar Hill, N. H. His friends can communicate with him there. — Henrietta Dozier of Jacksonville overwhelmed the Secretary by writing: "I have not forgotten that the Class has a representative at Washington [who knows everything. . . ." Modesty prevents a further quotation. But she was mistaken — I did not know Arthur Hamilton's address. More than that, Uncle Sam is continually calling my attention to the fact that there are several others that I do not seem to know.

Benjamin S. Hinckley writes from Boston: "Since leaving the Bos-



1890 Continued

ton and Maine Railroad where I had spent six years as purchasing agent, I have been in the wholesale coal business on my own account. I have enjoyed the experience very much. During the past year my wife and daughter and I took an extended trip to the Pacific Coast and then to the Hawaiian Islands. We had a delightful time and we are recommending a trip of this kind to anyone who enjoys the beauty of tropical regions.

"I have seen very few of our classmates — even those in and near Boston. I see more of Hervey Skinner than any other, but I really believe the sociability of the members is increasing, for the other evening Walter Whitney and his good wife, who have lived in the same town with me for the past fourteen years, called at my home. Doesn't it seem good to have your old friends and old classmates sit down in your own home and smoke a cigar with you? I have been busy with many outside affairs — the one taking the most time being with the Board of Aldermen of the City of Newton."

George H. Priest is at Brockton, Mass., and is general manager of the Brockton Gas Light Company. This company now serves sixteen towns outside of Brockton, and sells at wholesale to two other gas companies. He says that the increasing use of gas for heating houses promises to open up a tremendous field which is keeping the gas companies very much in the public eye at present, and giving the managers plenty to think about. The general manager of the Brockton Gas Light Company also writes that he ran across Jimmy Patch at a Technology luncheon at the new University Club in Boston, and contributes the information that Henry Eaton is now in the employ of the Commonwealth of Massachusetts as engineering advisor to the purchasing agent.

B. R. Rickards is the director of the Division of Public Health Education, Albany, N. Y. He was recently appointed Captain in the Sanitary Corps of the United States Reserve Officers, and has lectured twice during the past year in the biological department of the Massachusetts Institute of Technology on public health educational methods.

W. M. CORSE, *Secretary*,

810 18th Street, Washington, D. C.

A. H. BROWN, *Assistant Secretary*,  
53 State Street, Boston, Mass.

'00 A meeting of classmates in Boston and vicinity was held at the Walker Memorial, Tuesday evening, February 15, at 6 P.M. The following were present: Beekman, Bowditch, Brigham, Bugbee, Burns, Cotting, Howe, Hurd, Ingalls, Lingley, Patch, Remington, Richardson, Silverman, Stearns, Warren, Wastcoat and Ziegler. The following hoped to be present but did not attend: J. B. Conant, Draper, Dunbar, Fitch, Isaac Osgood, Lawley, Priest and Russell. Fred Lawley probably felt lost because Charley Leary could not be reached. Fourteen sent regrets. Due to Cotting's untiring efforts forty men were heard from, which is a large percentage of those to whom cards were sent.

After renewing acquaintances for half an hour we went in to dinner and afterwards listened to a very interesting illustrated talk by Patch. He showed us pictures which were taken on a trip he made to the different fishing villages in Nova Scotia and Newfoundland, where the cod liver oil is collected and sent to Gloucester for refining and bottling. His son was on the trip with him and is planning to take up the same kind of work at Beirut which Patch did for nearly twenty years. Before going home several bowled a few strings on the Walker Memorial alleys.

Russell had hoped to come to the meeting for a short time, and although he was at the Institute that afternoon he did not feel well enough to stay and had to go home early.

Some of the improvements and economies which the Boston and Maine Railroad have been making in the past few years are due to the efforts of Silverman, who has been assistant to Mr. Loring and is now working under the new president. He has been making trips over the different divisions to see where new methods of operating can be installed and changes made to the benefit of the road as well as the public. Silverman will be glad to receive constructive criticism but does not promise to carry out all suggestions which come to him.

Classmates are hereby reminded that other classmates like to hear about what they are doing, and the writer of these letters cannot give accurate information about them unless it is furnished him.

Professor Russell, after having an operation on his throat, returned to his home from the hospital on March 1. The operation was successful and his convalescence is expected to proceed rapidly. The sympathy of the Class has been conveyed to him.

INGERSOLL BOWDITCH, *Secretary Pro Tem.*,

111 Devonshire Street, Boston, Mass.

'01

In one of the Montreal papers word has recently appeared that the new building for research on cellulose chemistry which McGill University shortly expects to erect has been designed by Nobbs and Hyde. The latter of these is George Hyde of the Class of 1901. George is somewhat in the public eye at the present time. He has just been elected first Vice-President of the Quebec Architects' Association. He is also quoted elsewhere in the paper as regretting the lack of protection which Canada accords to her architects while safeguarding the interests of her lawyers and doctors. It was a great pity that George could not get down to the Twenty-Fifth Reunion, but he is planning to assist at the Thirtieth.

In the annual report of the Chicago Association of Commerce I find a striking likeness of Frank Chase who is Vice-President for Industrial Development and Public Improvement. There is also a report over his signature showing a very impressive total of accomplishments of his Committee during the past year. In the same publication is a report on good roads by W. W. De Berard. The latter writes me that the project of which he is chief engineer, the Chicago Regional Planning Association, which I described in these columns last year, has laid out a \$32,000,000 highway system, the financing of which was practically assured at the time of writing. De Berard's association is now working on a 150-mile interstate boulevard running from Milwaukee, around Chicago, to Michigan City. Work on this is already under way.

Howard Wood has just written in to say that the engineering department of the General Electric Company operating at Harrison, N. J., with which he has been associated for so long has been consolidated with the one in Cleveland. His new address is care of the General Electric Company, Incandescent Lamp Department, Nela Park, Cleveland, Ohio. Howard writes approving of the alumni plan of providing dormitories for the undergraduates and voices the feeling which I believe to be very common among those of us who knew Technology in her earlier years, that the project is of the utmost importance. He stresses the desirability of making possible the social contacts so signally missing in our own day. True, conditions at Technology have greatly improved with the development and organization of the numerous undergraduate activities but there is no substitute for the comradeship and association intrinsic in the life in the dormitory. Thanks to the generosity of one member of the Class we are to have representation in the group of buildings which will ultimately express the good will of the Alumni for their Alma Mater.

Frank Cady has written recently to describe one part of his work with the Nela Park group of the General Electric Company. Incidentally it is interesting to note how many of our Technology men are active in this great organization. Beginning with Swope as the President, whose son by the way is one of Dartmouth's leading quarter milers, and ramifying in practically every branch of the organization, we find Technology amply represented. Frank is connected with the research service department of the National Lamp Works but one of his special duties is the charge of the special library for the company. I find that there is a Special Libraries Association with chapters apparently scattered widely over the country and learn that Frank is the President of the national organization. As some of you are probably as ignorant as I concerning the function and mission of a special library, I quote from a part of Frank's letter.

"From your letter I infer that you might think of special librarians as people dealing with a special class of books. This is not the idea at all. The association is made of individuals in charge of or connected with libraries organized for special purposes such as libraries of industrial concerns, banks, newspapers, insurance companies, legal and medical libraries, and the numerous special departments of the government. Personally, I have worked out for my use the following distinction between what I call a special library and a public library. The public library has for its function the provision to individuals of literature for educational and recreational purposes during the periods of relaxation. The special library has for its purpose the provision to individuals of information, facts, data, statistics, and so on for use during the period of their occupation. Or to put it in another way, the public library looks after a man's needs when he is sitting in an easy chair before the fire at home. The special library looks after his needs when he is in his desk chair at the office. Of course, these distinctions are broad and you will readily recognize that I am not discrediting the informational departments of the public libraries, such as the scientific, technical, legal, and so on, but those departments really should be, and in some cases are, represented in the Special Libraries Association."

Frank sends word of one or two of the wanderers, as follows: "Roy

1901 Continued

Bolster has left Kankakee and is now on Route 3, Milwaukee, Ore. The suggested privacy here will undoubtedly appeal to Phil Moore. — John Brownell who was with the National Safety Council and stationed at Grand Rapids, is now with the United Gas Improvement Company in Philadelphia, his home address being 317 North Chester Road, Swarthmore."

If any of you who chance to see this letter know of any other address changes, you will do me a great service by sending them in. We try to keep track of every member of the Class, but to secure this result we need a little coöperation.

There is to be a meeting of the Technology Clubs Associated in New York this coming June. Having recently met some members of the Class — I avoid the incriminating details — and finding them both pleasant and companionable, it occurs to me that we might have a little foregathering of the Class at that time. We would not be obliged to stay in New York City, but could certainly find commodious quarters in the suburbs, or what in Chicago is elegantly designated the purlieu of the great city. If this strikes a responsive chord, write in and say so and I will see what can be done.

In conclusion I would say either that our era of prosperity continues or that the real estate stringency still operates.

ALLAN WINTER ROWE, *Secretary*,  
4 Newbury Street, Boston, Mass.  
V. F. HOLMES, *Assistant Secretary*,  
131 State Street, Boston, Mass.

'02

A Class dinner was held at the University Club, Boston, on the evening of February 10 with the following men present: Collier, Fitch, Fowler, Friend, Hooker, Hunter, Moore, Nickerson, Pendergast, Philbrick, Arthur Sawyer, Smith, Taylor and Whitney. After the dinner there was discussion as to our coming Twenty-Fifth Anniversary Reunion. Various committees were appointed and other details discussed.

Lou Cates was married on December 23 to Mrs. Eleanor Christenson, of San Francisco. Louis' bride was the widow of a San Francisco ship owner and has five children, two of her daughters being schoolmates at San Rafael of Miss Barbara Cates, the seventeen-year-old daughter of our classmate. — Harlen Chapman has recently moved to Troy, N. Y., where he is connected with the Hudson Valley Coke and Products Company. For some years past he has been with the Indiana Gas and Coke Company of Terre Haute, Ind. — Lester Hammond is living at Alden Park Manor, Detroit. He reports that after completing the Detroit River and Harbor Terminals, for which his firm, Parklap, Inc., was the contractor, he has had charge of erecting two other warehouse jobs almost as large, one in Toronto and one in Montreal. In the latter city he reports having seen Townsend, Ross, Allyn and Schwartz. — Luke Collier has moved from Hartford to Plainville, Conn., where his address is 165 West Main Street. This change locates him nearer his work with the Trumbell Electric Manufacturing Company. — Dana Fisher has recently moved into a new colonial house in Winnetka, Ill. The architects were a firm of Technology men, Bentley, Taylor and Salisbury of Chicago.

Plans are maturing for our Twenty-Fifth Reunion in June. This will open with a visit to the Institute on the morning of Thursday, June 16, with Doc Williams and his committee on hand to show everyone what Technology is like today. A luncheon will be served in the Walker Memorial to which those members of the faculty who were on the staff in our student days will be invited. In the afternoon it is planned to migrate by automobile to the Griswold at Eastern Point, Groton, Conn., a few miles from New London, where the party will remain until Sunday afternoon, the 19th, during which time many things in the way of golf, tennis, baseball, dancing, cards, bathing, and sailing will form a program around which to build the renewal of old friendships and the forming of new. Classmates are urged to bring their wives and children to this Reunion and the lady members of the Class are urged to attend. Further particulars will be sent to all classmates in an early issue of the *Retort*.

Classmates will learn with regret of the death of Marjorie Reynolds, the seventeen-year-old daughter of our classmate, Irving Reynolds, of Foxboro, Mass. Miss Marjorie was a charming girl who graduated from the Foxboro High School last June, and was studying at the New England Conservatory of Music. Her death was due to complications resulting from an injury sustained in skating.

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276 Stuart Street, Boston, Mass.

'03

We have not yet completed reporting all news items received in reply to our request of last October, so if any of you have failed to find your news items published, you may be sure they have not been lost but are coming along in due course.

We have a very interesting letter from Alex Healey's wife at Worland, Wyo., where they have been living since leaving Buffalo four years ago. She has taken the bull by the horns, so to speak, and knowing Alec's aversion to talking about himself has come across with a fine bit of news. She suggests that your Secretary write the wives of Class members if we want to get the honest-to-goodness low-down on the husbands. This is a valuable inside tip, but the question is how are we married Secretaries going to get away with it? She goes on to say about Alec: "He, as you may have inferred, is married. We have four children. The two oldest are boys, eleven and fourteen years of age. Then there are two girls who are adopted daughters, ages nine and ten. Alec started a new business a year and a half ago which is growing by leaps and bounds — the Washakie Live Stock Loan Company, doing business through the Federal Intermediate Credit Bank, which put him in touch with this sort of business. He finances farmers and stockmen. The farmers buy lambs in the fall to fatten for the market on the sugar beet tops left in their fields and later on the beet pulp discarded from the sugar factory. It is a growing industry around here and has a big future, so he is not only making good in the business but helping develop the country and bring in a good revenue to the farmer. He has three ranches which he has reclaimed and brought into good condition with a mile-long drain ditch. He raises feed for sheep on these and runs sheep there nine months of the year. He also has some sheep on the open range on the slope of the Big Horn Mountains near here. This may not sound like a great deal to you men in the big cities, but when you sum it all up, what could anyone want out of life any finer than health, a happy home and work you enjoy?"

Following is a letter from Virgil M. Palmer, Rochester, N. Y.: "Your letter of October 25 I consider a work of art in its appeal for news. I cannot see how any of us can fail to respond to a request such as you put up. For my own part, I have nothing new or startling to report, just the every day humdrum of existence which might occur to anyone. After leaving Technology I followed the automobile business for practically ten years, starting in the machine shop and working up through various positions, including that of chief engineer and general superintendent, until I was finally standardizing engineer of the United States Motor Company of New York when that company failed. During that period the automobile business was a precarious one. There were many failures and for that reason and others I lived in many parts of the country, including New York State, Indiana, Kansas, Maryland, Virginia and New York City, as previously stated. I was disgusted with my experience and decided to get with a company which was solid and financially stable and sound. Furthermore, I had previously lived in Rochester, having been engineer and superintendent for the Selden Motor Vehicle Company. This, you will remember, was the company of which Mr. George B. Selden of Selden patent fame had been President. Our cars were made by the father of them all, but it was I who designed and made them.

"I liked Rochester and when the opportunity presented itself, decided to come with this company (Eastman Kodak Company), where I have been continuously ever since, first in the capacity of purchasing engineer responsible for all engineering purchases, and subsequently, as superintendent of the Department of Industrial Economy at the Kodak Park plant. I was married to Daisy Burke in Frederick, Md., in 1907, and now have two boys, Virgil Junior, aged twelve, and Harold B., aged ten. In addition to my company duties, I am a member of the New York State Board for the licensing of professional engineers and land surveyors, having served the Board now successively as Secretary, Vice-Chairman and Chairman, and in connection with this work I have had occasion to pass upon the applications of many Technology graduates and thus have kept track of a number of our classmates, concerning whose present whereabouts I would otherwise have been uninformed. Really, this is about all the news I can contribute, but I am glad to respond to your request and do this bit."

About the middle of November, Gleason ran across Rod MacGregor on a train and found that he had just got back from a moose hunting trip with a friend up in Quebec. He traveled partly by train, then by auto and buckboard until they hit the trail on foot. Rod brought back a moose head with a fifty-inch spread of horns and his friend got one almost as large. These were certainly noble trophies, and in case of anyone's curiosity as to anything else that may have been brought



1903 Continued

back from Quebec, we will say that Gleason had no information to offer.

LeRoy D. Thwing, 26 Cortlandt Street, New York, writes that up to the time of the war, about the only thing of value he had acquired was a wife. In 1918 he joined the War Department, appraising machine tools and later settling claims of that kind for the department. Then income taxes began to involve various factors of that kind of value and he fitted into consulting on questions of values, depreciation, obsolescence, value in use, and so on. He has never become entirely house broken to an apartment, but still longs for a cellar and attic such as he had when living in the wilds of Newton. He has the finest radio set in the world and his other avocations are writing for the *American Machinist*, *Journals of Accounting* and the *Radio Magazine* of the New York Sun.

We don't know whether to give credit for the composition of the following to S. A. Fletcher of Birmingham, Ala., or his stenographer. Anyway here it is: "I am very glad to have your letter of the 25th addressed to me and all the rest of the boys and I am herewith letting my stenographer take her pencil in hand to tell you a few things about myself. I think that the only claim to distinction which I have acquired in the past twenty-three years is that I have finally won out in the private race which W. E. Mitchell and I have been running. I think it somewhat of an honor, since he is Vice-President of the Alabama Power Company, which is no mean job. He, as you know, was Course VI, '03, also. I refer to the fact that for a long time he and I have been tied with five children each, and that I now have broken the tie, as I have in my family three boys and three girls, and he has but one girl and four boys. Other than taking care of the family, my duties are to see that the Alabama Power Company gets all of the revenue that it should and no more. In other words, I have charge of the metering of all of the power and light sold or purchased by the Alabama Power Company. While the number of our meters is small as compared with some of the companies in the east, as New York Edison, Public Service of New Jersey, Boston Edison, and so on, we are still among the first fifteen companies in the country and probably sell power in as large blocks as is sold by anyone. For instance, I have two meters which measure all of the power sold to one customer, totalling over 20,000,000 kw. hr. per month, or rated in dollars, over \$150,000 per month. You can see, therefore, that Frank Law's lectures to us on precision measurements and electrical measuring instruments were not utterly wasted, as I, for one, have found them fine, although I must confess that I thought at the time they were bunk. I trust that you may find this of some interest for my stenographer declares that she does not know any more to tell you."

Here is a bit of human psychology that one of our 1903 philosophers has to offer: "Yes, I think that most of us set out in 1903 to become either millionaires or captains of industry in ten years or so and felt secretly ashamed that we had not; and it has taken the other ten years to discover that the said ambition was not necessary to contentment or even to success. There is a large ingredient of luck or some function of many variables that tips the scale one way or the other for many of us."

In a letter from Justin E. Harlow, 5720 Beelermont Place, Pittsburgh, Penna., he tells us that he has married twice, has four children, three boys and a girl, and one of the boys is named Hewitt Crosby Harlow. Harlow has been in power plant work since 1904 on a number of jobs which have carried him over a large part of the country. At an alumni meeting in Pittsburgh last fall, he was impressed by a statement made by Dean Burton to the effect that many graduates take inferior positions due to an inferiority complex, or lack of self assertiveness, and he makes a proposal to be offered to the Class for discussion as follows: he proposes that one or two freshmen of the Class entering in 1927 be allotted to each member of our Class so that we can correspond with them in an endeavor to help them. When we come to the Class Reunion in 1928 we can each look up our correspondents and get acquainted with them. He asks your Secretary to express his ideas on the subject, which admittedly are somewhat hazy. To tell the truth and shame the devil, it must be said in general that 1903 men are rotten correspondents, myself of course included; and in particular that many freshmen know so much more than we do that we are fast getting into the class of old fogies. However, behind this smoke screen that I have thrown out, there are individual cases no doubt, where good work could be done, and I should be very glad to cooperate. The idea is excellent and discussion is invited. Let's see how good correspondents you fellows really are.

It is a long time since we have heard from Walter Adams Burbank, Calif., and this interesting and humorous epistle is too good to delete.

First, however, we must take exception to the "pathetic appeal." It wasn't pathetic, it was desperate! "Your pathetic appeal received. It has finally gotten under my calloused hide, tanned by our perennial sunshine, here in California. I received a list of names from you with a request that I act as a kind of regional secretary. This was some years ago and my intentions were good. They are still good as they have never been used. If you will send me an up-to-date list I will try to do a little with it. I have seen several of the boys since I got back here in 1922 in the army. I see Rolf Newman occasionally. I saw quite a bit of George MacDonald in 1924-25 but have been out of touch with him recently. Clapp and I took a civil service examination together in 1925, and I beat him to it and got the appointment. I do not think he wanted it as he had a good position at the time. I believe that our local Alumni Association has weekly luncheons, but as I am too far away to attend, I do not get much Technology news. We have very few evening dinners. The '03 group had one dinner in 1923 under the auspices of yours truly, as was duly reported. We intended to have more but have failed so far.

"As for myself, I have tried several things since the war. Up to 1917 I was satisfied to keep on with my work as professor of Mechanical Engineering. The war upset all that and I entered the service as a captain of engineers. I was discharged in 1920 and took the examination for the regular army just to see what it would be like. I passed and accepted a commission as Captain of Coast Artillery. I did not like this so I transferred to the Ordnance Department. This suited me nicely but Congress raised hell with the army in 1922 and reduced a lot of officers in rank. I did not accept the reduction and got out. (I always emphasize that I got out at my own request and not at the request of the War Department.)

"Then I returned to California. As I was raised in the city, I had the farmer bug, so I thought I would raise chickens (the feathered kind) on my ten acre ranch in California. In 1923 I decided that farming was not my forte and quit, after losing several thousand dollars in the venture. (I was lucky in that increased land values brought me out with a good profit but not due to my efforts.) I then tried industrial engineering with a cotton mill that was just starting in Los Angeles. As I had taken the mill option about twenty years back I was supposed to know something about this. I started as a yard foreman bossing Mexicans. When the company went broke I was purchasing agent and traffic manager. I had charge of the stock room, all our trucks, the waste department, and the yard gang. You may say that was why the company went broke, but at least I was never charged with wrecking it. We had a 20,000 spindle mill making ducks and denims. It looked like a good thing at one time and I was glad I was in at the beginning. However, my being in did not mean an investment so I lost nothing. This was followed by a short attempt to manage a sheet metal works. This did not appeal to me so I went back to engineering. I entered the City Engineer's Office of Los Angeles and then graduated to the County Surveyor's Office where I am at present.

"I have left mechanical engineering for a while at least and am designer and checker on sanitary sewers. I find my fundamental training handy, however. I am only sorry that I did not have more surveying work while at Technology. I still maintain my interest in military affairs as I am Major in the Reserves and am a past commander of the Burbank Post of the American Legion. All my spare time is devoted to developing a feeling of preparedness. I do not want to see another war, yet history indicates that there will be one and it will be costly for us, even if we are not defeated, unless we have some form of preparation."

The following is published just to nail it to the record so Schlemm can't forget us: "Your letter of November 5 has been received and I note that you have heard from Howard Morse about the new town we are building in Manitoba. If you are really interested in having a short description of what we are doing there, I shall be only too glad to forward same. I take it that you are not in too great a hurry and shall endeavor to get something together that might be of interest to our old classmates."

We are indebted to Professor Locke for the following under date of November 10. "I received yesterday a call from D. Copeland of the Class of '03. Copeland has had quite a varied career, having followed teaching for about ten years, reaching the point where he was director of the Missouri School of Mines, and then going to South America where he has been very successful in mining. Just now he is back home for a month or more, part of the time to be spent in a hospital for an operation on his nose. He is staying with his father and his address is Prospect Street, Framingham, Mass." Copeland has since left town and been in New York.

We received the following letter from the Cia. Exploradora Coa-



1903 Continued

hulense, S. A.: "I am sorry to inform you that Mr. Elliott Walker Knight, of the Class of '03, died of pneumonia on December 17 last. Since graduation he came to Mexico and was superintendent of this company's rubber plant until 1917, when he went to California, where he was superintendent of one of the Shell's oil refining plants. In June, 1926, he came back to Mexico to be again head superintendent of the company rubber factory. Mr. Knight left his widow, who is from Boston and had no family. This company regrets the loss of Mr. Knight, who was brought here by Salvador Madero, also of the Class of '03. Mrs. Knight begs you to inform your classmates of her loss."

C. S. ALDRICH, *Secretary*,  
10 Beaufort Road, Jamaica Plain, Mass.  
GILBERT H. GLEASON, *Assistant Secretary*,  
25 Huntington Avenue, Boston, Mass.

'05

Roy Allen is in Schenectady sure enough. On the letterhead of Closson-Parkhurst Engineering Corporation, 105 West 40th Street, New York, he writes: "Since the 13th of September (lucky date!) I have been with the above named company, and ten days after the début came to Schenectady to put up a building that is being given to Union College. The building, known as Bailey Hall (given by Mr. Frank Bailey, head of the Prudence Company of New York) is to house the modern language and history departments of the college.

"There have been delays on account of changes, and so on, and the past six weeks have not been favorable for masonry construction, but we hope to turn over the building completed by the first of July, then probably back to New York."

Two or three years ago, Harry Nabstedt was building a dam and power house in Bristol, N. H., where several members of the Class saw him. His activities since then are accounted for in the following report: "Since leaving Bristol, N. H., I have another dam, at Phoenixville, Penna., behind me. This structure, forty-two feet high and eight hundred feet long, was built by a sub-contractor under my supervision.

"An interesting dam of my design is now being constructed across the North Fork of the Red River in Southern Oklahoma. The structure is about sixty feet in height and five hundred feet long. Several interesting features are incorporated such as a new type of intake, overhead bridge, provision for future raising of the dam by means of Tainter Gates, enclosed power house, and the installation of a new type of sluice gates. This dam is the first Ambursen type dam constructed in the form of an arch, a departure necessary on account of peculiar geologic conditions. The estimated cost is \$275,000.

"I have been associated with the Ambursen Construction Company practically all the while since 1906. During this time I have designed a large number of their structures, have built fifteen, and have quite a number of my design in operation. During the past few years I have been western manager operating out of Davenport, Iowa, but spending my time and efforts pretty well over the United States. My latest rating with the Ambursen Construction Company is Vice-President."

Last October, Roll Prichard nearly lost some of his wealth when a telephone call from Montreal (reversed charge) announced that a nephew of Arthur Belding, who is in London with the Sullivan Machinery Company, had just landed, had had his pocket picked and needed sixty-five dollars at once. Roll had his wits and prepared a scheme which, to make a long story short, enabled him to keep the sixty-five although he was out the telephone call. In reply to Roll's inquiry, Arthur replied that "It is pure fraud as I have no nephews of my own name. Someone has been pulling your leg." Roll's leg didn't stretch, but some other friend of Arthur's may get a similar call (reversed charge). Look out!

A few months ago you may have seen Fred Poole's name among those at a dinner of the Technology Club of Kentucky and wondered what he was doing down there. Here is his answer from Besten Apartments, 2014 Cherokee Parkway, Louisville: "I am still with Bigelow, Kent, Willard and Company, Inc., of Boston, but have been resident in Louisville most of the time for the past year and a half. I am looking after several of our industrial engineering contracts in this vicinity.

"At the local Technology Club dinner for Professor D. C. Jackson, late in December, Jim Barnes and I represented '05. Not having seen Barnes for twenty years I had no difficulty whatever in recognizing him. He is a big gun in this part of the world and has his picture or his name in the local papers several times every week. As soon as I can

get in touch with Jim again I will try to tell you something about his Kentucky Karriers. All I know about it now is that it is a whale of a big bus system which seems to cover all this part of the country. Jim must have a good many things to keep his mind occupied and I imagine one of them is some apparent competition which started last week in the 'People's Bus Line' in the streets of Louisville."

Billy Bixby writes: "The last time I wrote I was connected with the Nashville, Chattanooga and St. Louis Railway at Nashville, Tenn., as electrical engineer, and came to Pittsburgh with the Blaw-Knox Company at the insistence of Jack Flynn in the fall of 1918. Up to the fall of 1924 I worked with Jack selling clam shell buckets and other of our steel products. Since then I have been concentrating on selling standard steel buildings with fair success.

"You may be interested to know of the birth of Joan Thompson Bixby, born November 14, 1924, the best looking girl in the state of Pennsylvania. Jack will back me up in this statement."

Hallet Robbins is off again. A single item of "such news as had been compiled in The Review office" quotes the *Engineering and Mining Journal* to the effect that he has returned to Japan for the American Cyanamid Company. This is the same concern for which he recently completed a three years' trip around the world.

We had read of a newly invented propeller that would increase the speed of a ship by twenty-five per cent or more. Our naval architecture being badly corroded, so to speak, we referred the matter to our authority, Henry Keith, who turned it down with: "It sounds like Peabo's explanation of 'jet propulsion' and as I remember that, high efficiencies (even theoretical) were impossible."

Logan Hill writes on the letterhead of the Euromerican Syndicate, Inc., 42 Broadway, New York, as follows: "I left Heyl and Patterson to become Secretary and a Director of the Euromerican Syndicate. Operations of this latter corporation are capable of being very elastic but, basically, the object of the corporation is to develop in this country things which we find in Europe, or elsewhere in the world, these things being primarily of an industrial nature.

"We own the rights for most of the world for a new system of Fuel Economy which is a 'knock-out' in its ability to save coal. It was invented by a Swiss engineer named Durst and consists in circulating through coils, jackets, vats, and so on, previously heated by steam, water taken from the bottom of the boiler, said water being at the same pressure and temperature as the steam, as previously applied. Why no one thought of doing this before in the manner Durst does it is a mystery to me. The seven plants already installed in Europe show a saving of forty-five to sixty-five per cent of the coal previously used.

"We are putting the system in a plant at Philadelphia now. This is a small plant burning only ten tons a day. By this system there will be a saving of five tons of coal a day, which is about \$25.00 per day or about \$7,500 per year. The cost of the installation will be about \$5,000.

"We have another iron in the fire which is getting very hot, namely, a process invented by an Hungarian named Dr. Dorner, chief of the Technical Laboratories of the Royal Hungarian State Railways, for making excellent paper pulp out of cornstalks at a cost of about one-half the present factory cost of the best wood pulp.

"You must understand that we are thus far only a young organization just getting started and the thing has not yet had time to shape itself into any very hard and fast form or method of operation."

Louis Robbe has moved to Room 614, Hall of Records, New York City. He is still with the Board of Transportation. — Charles R. Adams, Earthwork Contractor, has a new address, Auburn, Calif. — Lieut. Dow H. Nicholson is at the Marine Barracks, Paris Island, S. C.

Ed Coffin makes a brief report from Boston as follows: "I have missed seeing Bob Lord the last two trips to Danvers. As you know, he is now giving much more time to outside sales in the development of their patent leather business and enjoys it immensely. Bob is a born salesman to my personal knowledge, as I have been with him at a number of places where he has made sales.

The election in Brookline has not yet taken place so all I can say about Sid is that he is very much in the running. I have passed him on the street once or twice and found him frightfully busy. It is no wonder when he has had such an important project as this new Ritz-Carlton Hotel at the corner of Arlington and Newbury Streets. If he keeps on making impressions on this street, as he has with this hotel, his own office building and what-all, the city will be forced to recognize his importance and change the street name to Sidney or something equally important."

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The Brookline election is a matter of some interest, as Sid Strickland was running in the citizens' caucus where there was a five-cornered battle for nominations for the three terms on the school board. One of his opponents was Bill Reid, the old Harvard football captain and coach. Although Sid was supported by the Public School Association and the Parents Association, he lost to Reid for third place by thirteen votes. It was the first time that he had ever been a candidate for public office and his supporters were thinking of running him on nomination papers.

Four years ago, Andy Fisher was working hard, through the Alumni Council and every other possible channel, for more dormitories. He did make the mistake of locating them near the Cottage Farm Bridge, but that was a detail; Technology needed dormitories. Andy was right. It is a satisfaction to know that money for more has been secured.

Now, Andy is again on the Alumni Council and is involved in a new agitation; the restoration of varsity football. He says: "The boys want it and there are plenty with guts and brains enough to play and keep up with their studies." He cites statistics from a little mid-west co-educational college which, by the way, has not won a game in two years.

We were hardly in position to judge intelligently but presented a few objections to Andy who replied: "You must be wearing green glasses or seeing red or else you are completely color blind." That knocked us flat but we recovered shortly and decided to get some opinions from members of that great '05 football team. Captain Hub Kenway came right back with: "Varsity football is too much of a distraction for most men at the Institute. They don't want to put into it the time and worry it would take. As I remember it, the varsity team was abolished by popular vote of the students in 1901 and I think the same sentiment prevails today."

On the other hand, Frank Payne says: "I am strong for varsity football at M. I. T. I had a touch of football on the freshman and sophomore teams. I wish that I could have had more. It would be a great thing for Technology if they could have a varsity just the same as Carnegie, Cornell and other technical schools."

But Ben Lindsly writes: "As much as I love the game, as a game, and as proud as I am of Technology's achievements in other athletics — crew, track, cross-country, and so on — I just can't seem to become enthusiastic over the prospect of our dear old Technology lowering itself to compete with the other institutions in that one branch of organized commercial athletics that seems to be overshadowing the real purpose of college education. I think it is becoming a real menace to education in many of our universities. Some day in the future the colleges will get together and agree upon a 'limitation of armament,' which will at least tend to put college football on a real amateur basis. If that time ever comes, then I would like to see our Technology put out the good, snappy, wholesome football team that we know she can."

But Charlie Boggs thinks that: "Technology suffers badly from lack of athletics and that a number of good men will not go to it because of that phase of Institute training. Any husky young fellow does not care to forego any chance of athletics at the age of eighteen or nineteen, and football is without doubt the most popular college sport in the country."

"Besides all the advantages that the man himself receives from playing football, there is an advantage to the college in the advertising it receives and an advantage to all athletics due to the large revenue which they receive from football receipts. You probably know that Harvard supports about all of its athletics from its football receipts."

ROSWELL DAVIS, *Secretary*,  
Wes Station, Middletown, Conn.  
S. T. STRICKLAND, *Assistant Secretary*,  
20 Newbury Street, Boston, Mass.

**'07** Our Twentieth Reunion will be June 16 to 19, 1927, at East Bay Lodge, Osterville, Mass.! Here is important news and good news. The dates seem to be quite ideal. We'll plan to have our first meal together Thursday night, June 16. The 17th is a holiday in Boston and vicinity, Saturday is practically a holiday everywhere, Sunday is free from business, so three full days — the last meal being on Sunday noon — ought to give us a real time. Moreover, the Technology Clubs Associated hold an All-Technology Reunion in New York on June 10 and 11, the preceding week-end. You western men, plan to combine that eastern business trip you have got to make some time this spring with these two Technology gatherings.

The East Bay Lodge at Osterville has been selected after an investigation of several possible locations. Your Secretaries and the Boston Committee feel sure that it will be satisfactory from every angle. Several Technology Classes have held reunions there, and are loud in their praise of the place and the service of its management. The Secretary of the Class of 1896, writing in *The Technology Review* of July, 1926, says, in describing the Thirtieth Reunion of his Class, "all who attended agreed that East Bay Lodge, under the administration of its proprietor and host, Charles H. Brown, was about as near ideal as could be obtained."

Osterville is on the southern shore of Cape Cod, eighty miles from Boston. From East Bay Lodge, a fine view of Nantucket Sound is available. The Wianno golf course, 18 holes, 6,300 yards, is near at hand, and will be available for us to use. Tennis, bathing, boating and fishing are other attractions, to say nothing of a spacious house surrounded with lawns, shrubbery and gardens. Special rates secured from Mr. Brown, proprietor, enable us to make very reasonable rates to members of the Class which will cover everything, except transportation. You will hear from us more in detail later.

It has been decided not to include the ladies in this Reunion. It will be a stag party. Laurie Allan, Sam Coupal and Oscar Starkweather make the committee in charge of entertainment and sports of all kinds. Can you doubt that there will be something doing? Harold Wonson will look after housing accommodations for us, and he has proved his ability in making everyone comfortable at previous reunions. Don Robbins will direct details of automobile transportation from Boston. The Secretary will handle publicity and the money.

Mark these dates in your calendar — June 16 to 19! You are due at Osterville, Mass., by 6 P.M. on June 16!

News items regarding class doings are scarce. The following was in the *Boston Transcript* of February 9: "Professor Henry B. Alvord, '07, of the Northeastern civil engineering department, has been appointed to the Desmond Fitzgerald medal award committee of the Boston Society of Civil Engineers. At Northeastern, Professor Alvord is faculty adviser to the university section of the society, which has a membership of 135. He is also chairman of the award committee of the designers' section of the society."

"The Desmond Fitzgerald medal is the annual award for the most meritorious paper on civil engineering presented before the society during the year. E. S. Larned is chairman of the award committee, with Professor Alvord and F. A. McInnes."

Victor H. Dickson's address now is Box 4,346, Miami, Fla.

BRYANT NICHOLS, *Secretary*,  
2 Rowe Street, Auburndale, Mass.  
HAROLD S. WONSON, *Assistant Secretary*,  
W. H. McElwain Co., Manchester, N. H.

**'09** As the Review Editors say, "We are on the home stretch now" — at the three-quarters' mark, as it were, trying to get some news for the April Review.

Some of you fellows have already had one of the letters which Paul and Mollie and Charlie are sending out to some of the Class each month. We thought we had a good line this time that would really produce some letters to the Secretaries, but so far we haven't had much luck. Maybe someone will take pity on us and write a few lines about himself or someone else in the Class.

About the only place that we get Class notes is from the newspapers — and, by the way, did you see about Charlie Belden's pet antelope, "Peach?" According to the *Boston Herald* Peach has just been awarded a set of B batteries for the distinction of being a unique radio fan. — "The antelope, now just turning its first year, is the pet of the Belden family and as such joins the daily family circle around the loud speaker for the radio programs. Peach is connoisseur of jazz music, but does not care for other features that crowd the other waves. She will listen by the hour to the orchestra and bands, but speeches, never."

"Since her capture when very young, Peach has been one of the attractions for tourists who pass the Z Bar T Ranch near Pitchfork, Wyo. Antelopes, according to Charlie, are easily tamed, and at present, through the operation of game laws forbidding their extermination, are almost as numerous in the state as deer."

We understand that Joslin, who has been in South American parts for the past year for the American Metal Company, has returned to the states, and is now in Los Angeles. — Horace Clark has returned to Boston, and is now associated with Metcalf and Eddy.

Last October at the joint session of the Industrial Hygiene and Sanitary Engineering Sections of the American Public Health Asso-



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ciation held in Buffalo, N. Y., George Palmer read a paper on "Opposing View Points in the School Ventilation Controversy." In this paper, he starts off with a short history of how the thirty-cubic-foot standard was defined, and finally ends up with a humorous skit between the "Window Gravity Advocate" and the "Mechanical Ventilation Advocate." The argument between these two advocates comes out a draw, when it is suggested that the matter be referred to a committee. George is connected with the American Child Health Association in New York City.

Recently about ten of the Boston crowd got together at the new University Club and had a sort of farewell lunch for Carl Gram, who, since March 1, has been associated with the Lancaster Iron Works, Lancaster, Penna. Those of us in Boston shall miss Carl greatly for he has been most active in Technology affairs, serving as our Class representative on the Alumni Council and as a member of the Committee on Assemblies of the Technology Alumni Association. While we regret to see him leave Boston, he carries with him the best wishes of the Class. — Art Shaw has been elected to fill the vacancy on the Alumni Council.

The New York crowd is planning a Saturday noon luncheon on April 16, and any '09 men will be most welcome at the Technology Club on that date.

CHARLES R. MAIN, *Secretary*,  
201 Devonshire Street, Boston, Mass.  
PAUL W. WISWALL, *Assistant Secretary*,  
Franklin Baker Building, Hoboken, N. J.  
MAURICE R. SCHARFF, *Assistant Secretary*,  
435 Sixth Avenue, Pittsburgh, Penna.

'10 Hurrah! *Mirabile dictu*, there are some notes. Not such a terrific lot of them, but some, nevertheless. Let us hope it is just the beginning. The following bit of news comes from Professor Charles E. Locke: "H. R. Perry, '10, has supplied the following items which may be of interest to the Class Secretary: He writes that he joined the Lamson Company organization in the early part of 1925 and was located for that year in Boston, then in Syracuse and finally for the last year in Philadelphia. The work is very interesting and entails the analysis of industrial problems involving the handling of material."

Joe Northrop, Jr., who is now a prominent architect in Houston, Texas, writes the following: "As I have not seen any 1910 notes for some time in The Review I am sending a couple of clippings from recent papers showing a little of what we are doing down in this neck of the woods."

"The Houston Technology men were all delighted with the visit that Denison, '11, made us last year; and the talk that he gave out at Rice Institute will doubtless send many local fellows up that direction. — I understand that my old side kick Paul Hopkins, '10, is back in God's country after living in China, and if any of you know how to get in touch with him, I would greatly appreciate a line with the information. — Arthur Hartwell and Billy Humphreyville are the only other '10 men that I know of in Houston; and I think that all three of us are settled here for life."

"As The Review is the only means of our keeping track of former classmates, especially for the fellows who have drifted away from Boston and New York, might I suggest that you send out a questionnaire to the fellows about once a year, to get the dope on them if they will not write you of their own accord?"

"I have been appointed a delegate to the Washington Convention of the American Institute of Architects in May, and hope to get up around Boston, and renew some old acquaintances at that time."

Joe is apparently busy, to judge from the clippings, building houses and churches and having his picture taken with other notables at corner stone layings.

DUDLEY CLAPP, *Secretary*,  
16 Martin Street, Cambridge, Mass.  
R. O. FERNANDEZ, *Assistant Secretary*,  
264 West Emerson Street, Melrose, Mass.

'11 Well, mates, the New York group continues to take interest in affairs of good old 1911, and Bill Orchard plans his party at the Maplewood, N. J., Country Club some time just after Easter. At this time the New York group will be Bill's guests for a day of golf and he has kindly included me on the party to the extent of asking me to name a date when I can

be there, which, of course, I will do. Right here, let me remind you all that the forthcoming Reunion and Convention of the Technology Clubs Associated on Friday, June 10, and Saturday, June 11, is going to be a wow and we hope to have a Class get-together at that time, so that those of us attending the convention can make headquarters together and spend Sunday there as well.

As these notes are being written, February is about gone, and I have just returned from an enjoyable and successful twenty-five-day trip among the alumni groups in the northern section of the Middle West and upper New York, and many have been the renewals of Class friendships. Almost without exception all the boys I have seen have been in good health and happy in their chosen professions.

In Detroit I started off on the right foot by seeing four of the five Eleveners believed to be in that building-crazy city, failing only in my quest of Mike Greenleaf, VI, electrical merchandiser-de-luxe. Still active in the Detroit activities, Minot Dennett, II, greeted me in his usual hearty style and secured a guest card for me at the Detroit Athletic Club. Joe French, IV, still with Albert Kahn, Inc., architects, said that married life is certainly agreeing with him, and it agreed to the extent of keeping him from the dinner the evening I was there, anyway. Two boys I had not seen for years were also encountered in this hustling burg — Staf Francis, IV, and T. F. W. Meyer, II. Staf is with Robert O. Derrick, 120 Madison Avenue, practising architecture, while Ted is now a successful real estate operator with offices in 801 Guarantee Trust Building.

In Chicago I also had a high batting average in the 1911 league. In this case my course-mate, Jim Duffy, VI, was the official welcomer, in his rôle of local association secretary. I had a fine chat with John Wilds, II, Vice-President of the Protection Mutual Fire Insurance Company, and in the course of the conversation he told me that our old buddy, Zeke Williams, II, is about to take a trip around the world in the interests of the National Cash Register Company, and we shall look for monthly reports of progress from this w. k. classmate, who in our undergraduate days was for a time Class Secretary. I also saw Bill West, II, and Ed Woodward, VI, at the dinner held in my honor. Bill is with the Great Lakes Forge Company as sales representative, while Ed is on the editorial staff of *Railway Age*. I also got a line on the present whereabouts of one Stanley E. Bates, I, erstwhile general manager of *The Tech* but for many years on our missing lists. Stan is now with the Lee Trailer and Body Company at 2343 South La Salle Street, Chicago, and I'm hoping next time I'm in the Windy City our paths will cross.

Up in Wisconsin and Minnesota I saw no Eleveners, although while at Duluth I renewed acquaintance with Holman Pearl, '10, who is a consulting engineer at Crosby, Minn., and is known by many of our classmates through his work on the editorial board of *The Tech* while an undergraduate. At Urbana, where I had lunch with the Technology members of the faculty of the University of Illinois, one of those who greeted me was Harold Babbitt, XI, head of the department of Municipal and Sanitary Engineering there. Indianapolis likewise was visited for one day only, but nary an Elevever did I see.

These deficiencies were atoned for in Cleveland and Akron, for there I saw Art Coleman and Chet Dows, both Course VI men who started with us but finished with 1912. Art is a manufacturer's representative, while Chet is at Nela Park. I learned that Art Bradley, I, who is with the New York Life Insurance Company, has been shifted from Cleveland to Detroit, where the office is in the Free Press Building. One particularly fine renewal of acquaintanceship in Cleveland was with Arch Eicher, '12, who is now with the American Construction Company. You will remember he is the little devil who stole Field Day 1908 right out of our paws by making a fair catch in the football game just as the referee's whistle was blowing, and following this with a field goal from a difficult angle. Just as he was successful then in a real crisis, he is now successful in business, and it was great to see him a good deal at the University Club, where he — a bachelor — lives and where I made my Cleveland headquarters. In Akron it was great to see four of the five 1911 rubber experts — Harry Alexander, II, and Karl Kilborn, II, with Seiberling, B. Darrow, VI, mine host while there, with Goodyear, and Bill Shepherd, VI, with Goodrich. Harold Pushee, II, with General Tire is living somewhat like a hermit, according to his classmates, who seldom see him at an Akron Technology dinner. Come out of it, Harold!

In Buffalo I saw Joe Dunlap, II, of the Dunlap Tire and Rubber Company staff and Art Underhill, VI, who is with the Niagara, Lockport and Ontario Power Company, but when I was at the Falls it was my bad luck to have Norman Duffett, X, of the Union Carbide Company, and Ote Hutchins, XIV, of Carborundum both out of the city. In Rochester, however, I renewed acquaintance with two of my old



## 1911 Continued

Course VI buddies, Syd Alling and Frank Taylor, both of whom are with the Rochester Light and Power Company and very active in the affairs of this local group. I was delighted, by the way, while there to have beside me at the head table at the dinner, Mr. George Eastman, who was making his first public appearance at a Technology function.

Closing my trip with the Technology Club of Eastern New York, which comprises Schenectady, Albany and Troy, it was my pleasure to spend the night with Joe Harrington, VI, and his wife at their home in Albany. While in Schenectady I saw Harvey Tisdale, V, and two more of that Course — Oscar Gilcreest and Bob Shurig. Joe is Vice-President of Witbeck Chemical Corporation at Albany, while Harry is with the American Dyewood Company. Gilcreest and Shurig are both engineers with the General Electric Company.

ORVILLE B. DENISON, *Secretary*,  
Room 3-207, M. I. T., Cambridge, Mass.  
JOHN A. HERLIHY, *Assistant Secretary*,  
588 Riverside Avenue, Medford, Mass.

**'12** No notes have been received by The Review Editors from the Secretaries of this Class for inclusion in the April issue. The Secretary received the usual notification that copy was due, accompanied by such news as had been compiled in The Review Office. Members of the Class having news or inquiries should address them to F. J. Shepard, Jr., Secretary, 125 Walnut Street, Watertown, Mass., or to D. J. McGrath, Assistant Secretary, McGraw-Hill Co., 10th Avenue and 36th Street, New York, N. Y.

**'13** The letters which most of the illustrious members of this Class write are not even as verbose as the correspondence between a certain father and his college son. The boy wrote, "No mon, no fun, your son," and dad replied, "How sad, too bad, your dad." We did get one fine letter, however, just after receiving official notice that Mr. and Mrs. Alexis Cornelius Ford of Caroline Boulevard, Houston, Texas, had announced the marriage of their daughter to an old Thirteener, H. W. Dew. But let us hear from the bridegroom himself.

"I have been very negligent in the last few years in writing to the Class Notes Department. At that, however, I am not very different from many other Thirteeners. My only excuse is that my work has been along the same lines and heretofore I have felt that I have had nothing of interest to report. At this time, however, I am glad to advise you that I have finally made the grade and was married on January 20 to Miss Sarah Ford of Houston, Texas. I am also happy to say that I am finding married life even better than anticipated, and already feel sorry for all the old bachelors I know.

"We have just returned to New York from a most delightful honeymoon including ten days in Havana, and are now located at 212 East 48th Street, New York. This is to advise that the latch string is always out, and should any of the old buddies come this way we shall be mighty glad to have them look us up.

"As far as work is concerned, I am still eeking out a living with the Union Carbide and Carbon Corporation doing metallurgical sales work for the Electro-Metallurgical Sales Corporation and for the Electrode Sales Department of the National Carbon Company. The least I can say is that the work is extremely interesting and I feel that I am very happily situated."

Now, Mr. Newlywed, them sentiments is O. K., and the best I can hope for you is that like myself the same words will express your feelings after twelve years of the wedded bliss.

I pulled off such a good one on a local police court the other day that I have got to hand it along whether you believe it or not. I was defending a young chap accused of burglary. I said in substance to the judge, "The evidence shows clearly that the defendant did not enter the house. At most, all that has been suggested is that he put his arm through an open window and took a few trifles. His arm being only a very small part of him, why should you send his whole body to jail to suffer for what only his little arm has done?" Whereupon the judge with that rare wisdom sometimes disclosed replied, "Very well, your logic is good. I therefore sentence his arm to one year in jail. His body may accompany the arm or not just as he sees fit." Wasn't that a brilliant comeback? The laugh rather died out, however, when my client unfastened his cork arm, handed it to the sheriff and walked out of the court room. Is there any live member of the Class who can beat that one? If so, contribute, and we will publish it (if the Editors don't cut it out).

I had a real nice chat with dear Dean Burton, I almost said dear old Dean, but really he looks just as young as he did the day we entered Technology. I heard him make a very fine speech, and particularly enjoyed his tale of the polly and the cracker he didn't mention. Do you recall the time he told it at the Crawford House? He asked for many of the Class and it is wonderful how many men he can remember.

Our President, Bill Mattson, has decided that he is going to be mighty busy from now on, and would not be able to represent the Class on the Alumni Council as well as he would like to do. We accordingly prevailed upon Bill Brewster to allow his name to go on the ballot. The latter Bill, by the way, has returned from Florida. He did not catch the longest or biggest fish in the sea, not did he find that land of his.

HARRY D. PECK, *Secretary*,  
99 State Street, Boston, Mass.  
G. P. CAPEY, *Assistant Secretary*,  
25 Beaumont Street, Canton, Mass.

**'14** Not so long ago your Secretary was succumbing to the usual tediousness of a long train ride and waiting or perhaps wishing for something to break the gloom, when G. C. Derry appeared. From then on the day was saved and the few hundred remaining miles to Detroit were of no importance.

As we passed Schenectady we toasted Phil Currier, who is temporarily absent from there on a little visit to Buenos Aires. Phil has been a good sport and writes an occasional letter, perhaps to taunt your Secretary on the particular advantages of South America over the U. S. A. Poor Phil, however, has to stand the daily torture of a Spanish lesson. Shades of Blackie, et al!

Derry reported that he has seen Dana Mayo often in Detroit. Mayo is mechanical engineer at the River Rouge Ford Plant. Your Secretary tried to locate Mayo by telephone, but at the time of calling Mayo was out of his office and lost in that great labyrinth known as "the works." Derry, himself, is in charge of the mechanical blower sales division of B. F. Sturtevant and spends much of his time traveling around the country, and as near as could be determined, making frequent stops at convenient golf links.

The usual faithful Boston group met for luncheon, February 1, at the Engineers Club. Most of the weighty problems of the nation were covered as usual at this luncheon. Those present were Fales, Waitt, H. S. Wilkins, C. H. Wilkins, Crocker, Harper and Richmond.

Spring fever must be in the air because, with the exception of Phil Currier's letter, not a single word came through during the past month. As there is only another issue of The Review before the final summer edition, how grand it would be if we could have a few red hot letters to include in that issue!

An All-Technology meeting will be held in New York, June 10 and 11. How about having a 1914 dinner there at that time? All those in favor drop a note to either the Secretary or Assistant Secretary, add any suggestions as to place and procedure. And while we are thinking about reunions, just remember it is only two years to the time when we are going to hold our grand Fifteen Year Reunion. Put that on your calendar above all things.

H. B. RICHMOND, *Secretary*,  
100 Gray Street, Arlington, Mass.  
G. K. PERLEY, *Assistant Secretary*,  
15 Ivy Way, Port Washington, Long Island, N. Y.

**'15** A short time ago I met Harry Lucey in South Station, Boston. He had just incorporated his laundry business in Natick, Mass., by taking over two smaller laundries. I believe Harry is in business with his brother. In spite of this, he evidently cannot get away from the reputation he established for himself as a chemical engineer, for he told me that he was on his way to Texas to testify for one of the large oil companies in a suit involving some technicalities on distillation. Some of you will probably remember that Harry worked for a long time with Badger Company in Boston as chemical engineer on distillation and fractionation. He was good enough to keep my "Help, Help" in mind and on January 23 wrote as follows from the Roosevelt Hotel in New Orleans:

"I just remembered that I promised to drop you a line when I was down in this part of the country. I left Boston last Monday and arrived in Houston, Texas, Wednesday night. You can just imagine how good it seemed to shake off the overcoat and to see all the young flappers on the streets in thin dresses and no coats. Most of them

1915 Continued

didn't have much on except their war paint, but that was so thick it must have helped to keep them warm.

"I was very much surprised to see what a large and beautiful city Houston is. Another surprise I got and which every stranger gets is the way that people obey the traffic signal. They have the light system at all the corners and when the red light comes on, not a soul tries to cross the street, even though there isn't a cop in sight. Not much like Boston.

"All the way down through Texas I saw nothing but cotton fields and low wet swamps and marshes. You can hardly realize how big the state is until you ride all day long and you are still in it. On the way to New Orleans from Houston I saw nothing but cotton and rice fields and the same low wet swamps and marshes. Here in New Orleans the weather is quite hot, and I certainly feel it after what we have had in Boston. The lawns are all green and all kinds of flowers are in bloom around the houses. The kids are running around barefooted and folks are sitting on their porches in the sunshine. Does that make you sore?

"Well, I have to catch a train now, so I will have to close. Any time that you want to get in touch with me, drop a line to 39 DeLoss Street, Framingham, Mass." There are more things than the weather in Harry's letter that make me sore, although I feel sure we have equally pretty girls here in Boston.

Alden Waitt, '14, told me that Seward Highley of our Class was recently married at Trinity Church, Boston, to Miss Helen Trainer of Chicago. I have been unable to verify the exact details of this, but hope to have this information for the next issue of *The Review*. Alden said that Highley is running the Malden Hand Knitting Company, Malden, Mass., so he is apparently another engineer who has left the field of science. — Instead of going to Europe this spring as he has formerly done for several years, Mitch Kaufman, of Framingham, has gone to Havana. I am sure we all hope he enjoys everything.

I still occasionally see such good old Boston standbys as Clive Lacey, Jack Dalton, Thayer McBride and Frank Sculley, but I certainly would like to hear from some of you fellows, as toward the end of the month when these notes are due I sometimes despair of having anything to send in. The success of our Class notes depends upon your coöperation and not upon my imagination. What do you say?

AZEL W. MACK, *Secretary*,  
377 Marlboro Street, Boston, Mass.

'16

A letter and a clipping constitute this month's offerings. The letter is from Weissbach: "The advent of Valentine's Day, and the recent visit of Hen Shepard to this town, reminded me that I ought to send a brief note to our faithful Secretaries, especially to officially announce the arrival of Mary T. Weissbach on March 21, 1926. The young lady only weighed three and a half pounds, but is holding her own now with two teeth, sixteen and a half pounds, and the ability to pull herself up to a standing position. Henry and I spent most of our time outside of talking shop in discussing babies. Let this be a warning to him to give me a little more advance information on his next trip and perhaps the fatted calf can be prepared.

"Our Class seems to be poorly represented in this vicinity, with only two or three members who get out to any of the M. I. T. doings. The only other Course II man here, Spencer Hopkins, has gone to Baltimore, Md., I think as representative for the Liebel Flarsheim Co. (They make X-ray equipment.)

"I am still on the same job and sign my letters as plant engineer, which as one man expressed it, may mean anything but it does include plenty of work and hours, with a variety of interests that is hard to beat. As the Richardson Company just sold its roofing business to the Flintkote Company of Boston, our work will be limited mostly from now on to the making of boxboard and its products."

I received a telephone call from Laurence Delabarre from Providence saying that Bill Farthing had called a special meeting of our classmates in New York City and thereby to be held on a certain Friday evening in February. As I only had twenty-four hours' notice, it was impossible for me to attend, and I have not heard to date the report of that meeting. I assume that it had to do with plans for our Reunion.

We are receiving communications and advertising matter that there is to be an All-Technology Reunion and Convention in New York City on June 10 and 11 of this year. From the looks of things it is going to be as brilliant an affair as the famous 1916 Jamboree.

Shall we hold our Reunion this June in New York City during the time of this Reunion? If so will you individually be in attendance? In order to insure proper reservations it is important for you to co-

operate to the extent of writing me immediately on this subject that committees may be appointed and reservations made. To be explicit, write me whether or not you feel we should have a Reunion at the time of the Convention and state at the same time your possibilities of attendance.

We have Bill Kniesner to thank for the following account of a Class dinner in New York. "On the evening of February 18, eighteen of the Class met at the University Club to constitute and initiate the 'Echo Party,' a designation for the Class dinner which Bill Farthing originated and the real purport of which might perhaps better be left for further explanation hereinafter. The intention was to get together as many Sixteeners in and around New York as possible, and if the 'Echo Party' can be designated as a New York gathering, then three men are responsible for expanding the geographic limits of New York, since Bob Wilson came all the way from Chicago, Chuck Loomis from Detroit, and Bill Wylde from Bellows Falls, Vt. Surely, an achievement; somebody page Jimmy Walker.

"When Bill Farthing's notices designated the dinner as the 'Echo Party,' he probably had in mind that the party would be an echo of the Reunion of last summer, and if the dinner turned out to be an echo at all, it was indeed the faintest of echoes. It was a very enjoyable party. In fact, it was quite a decorous party; so much so that each of the eighteen men could and did tell of his present and past activities, something which, if he was on hand at the Reunion of last summer, it was a physical impossibility to achieve, or the omission of which demonstrated that discretion was the better part of valor.

"Bill Farthing, Class President, officiated, and, after the dinner, called on the boys in about the following order, in which they were seated about the table: Gfoerer told how he keeps Dodge Brothers going by proper direction of their sales. — Bill Wylde, who, be it known, is the country's most youthful general manager of a paper manufacturing establishment, related how he mixes up paper manufacture with fishing and other like activities that Vermont affords. — Bob Wilson, director of research for the Standard Oil, briefly outlined his recent development in automobile engine lubrication. Wilson has devised a method, the success of which has already been demonstrated, whereby lubrication is made independent of winter temperatures. — Tom Holden, whose specialty is in analyzing data and statistics in the building trades, gave the boys some idea of his work in this direction and of its application in various economic directions. If you are interested in the building industry, get from Holden a copy of a paper which he presented a short time ago in St. Louis. — Jimmy Evans had to break away early, but before leaving assured the boys that he would be glad to supply their asbestos needs; in fact, some of the boys received this information with enthusiasm and made inquiries as to whether or not he was equipped to furnish asbestos wearing apparel. Jimmy assured them that he could fill even such needs; not a bad idea to know about.

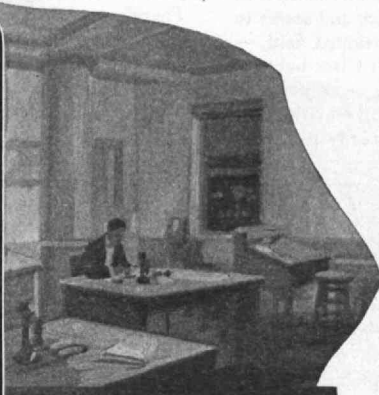
"Bailey Townshend is engaged in development and research work; while Chuck Loomis, in Detroit, manages to keep the Bemis Bag Company supplying paper and cloth bags. Loomis, who is Assistant Secretary of the Class, announced that, inasmuch as *The Review* is issued eight times a year, one-eighth of the Class would be circularized prior to each issue and the Class news would be compiled from the responses received. In this way it is hoped that each issue of *The Review* will contain news items other than the all-too-frequent 'no news received from the Secretary.' Let's see which 'one-eighth' gets the highest batting percentage.

"Bill Shakespeare is responsible for the operation of the largest electroplating plant in the world; while Maverick is with the Standard Oil Company in New Jersey. — Pettee is with the Edison Company of New York, and without him the distribution of 'juice' would not be what it is; no, he's not boot-legging. Incidentally, Pettee just returned from Cleveland where he made his début in the Federal Court as an expert technical witness in a patent suit. Pettee makes the second such expert technical witness aligned in the ranks of the Class; Bob Wilson seems to have been the pioneer, having but a short time ago finished a four weeks' sojourn on the witness stand in a patent suit involving oil-cracking processes.

"Harold Dodge is with the Bell Laboratories and quite modestly told of the remarkable development work (for all of which he is largely responsible) which has been carried on in producing a sensitive and amplifying stethoscope for medical use, capable of filtering out certain sounds, and of some of its far-reaching results in the medical profession. — Bill Kniesner is a patent lawyer and is associated with Robert S. Blair of the Class of '00; Kniesner spoke briefly of the interesting character of his work and answered a few queries made by several



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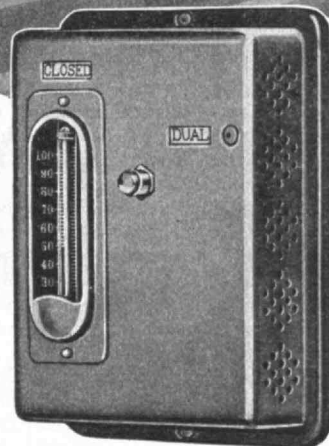
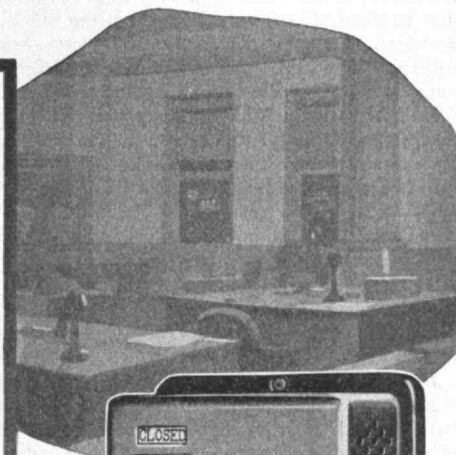
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Union Trust Company Bldg.	- -	Elizabeth, N. J.
Brooks Building	- -	Cleveland, Ohio
Noble Building	- -	Boise, Idaho

*And Many Others*



1916 Continued

of the boys, most of whom have in their work been brought into contact with patent situations.

"Bill Farthing disclaims being a 'realtor,' but enthusiastically claims to be a pioneer 'realty engineer.' He is engaged (and successfully) in building, operating and selling office buildings and apartment houses in New York City. — Binger had to break away early, being bound for the opera; Binger's success in the field of concrete design and construction needs no comment. — Brophy, with the Anaconda Copper Company, spoke of new developments in the direction of new applications for copper and also gave some interesting facts as to the present status of the silver industry and certain fields in the latter in which some of his present activities are now directed.

"Lord is engaged in developing a combined automobile truck and tractor, mainly for the purpose of portable crane service and seems to have made quite an impression on a hitherto undeveloped field. — Repetti lays claim to being the father of the youngest Class baby, a girl born February 17. He is engaged in engineering sales work. — Monroe, who used to be with the De Laval Company in their oil separating work, is now in the oil burner field and is ready to supply any wants in the latter direction. . . ."

RUSSELL H. WHITE, *Secretary*,  
118 Federal Street, Boston, Mass.  
CHARLES W. LOOMIS, *Assistant Secretary*,  
7338 Woodward Avenue, Detroit, Mich.

**'17** Well, the returns from the last notice have been coming in during the week and everybody is pleased and happy, especially poor old Brick, who rejoices at seeing the coffers of the treasury replenished again.

We have received \$2.00 donations from quite a bunch of fellows so that to them, at any rate, future notices will shortly be going out. Scattered in among the return cards have been some interesting notes and comments from various members of the Class. Nig Sewall's communication is now undergoing translation into English.

Dud Bell sent in \$10.00, we suppose, with the idea that it would be credited to his personal account. He will be fortunate if Brick gives him any more than \$8.00 credit. — Dutch duPont says he has high hopes of attending and enclosed one of the dirtiest \$2.00 bills we have ever seen. Never mind, clean or dirty, it all helps. — Ham Wood was about as positive as anybody, for he scratched out all that portion of the card that might occasion any doubt as to his attending. — Potts Mahaffey wrote a suggestion that one of the coming notices contain a list of fellows who have signified their intention of attending the Reunion — a dandy idea and one which we will attend to in due time.

Dix Proctor says, "Cheerio, Brick, if I have not made out the check right, come back at me." Don't worry, Dix, we'll come back, but you won't get your check back and don't worry about our ability to cash it, if it's good. — Louis Wyman indicated he will attend Friday evening — this is due warning to you gentlemen who are inclined to enter games of chance. — René A. Pouchain says, "How about a boat ride down the coast?" There will be all kinds of rides, boats, automobiles, and buggies.

Three outstanding replies were received from Ken Richmond, Raz Senter, and George Kittredge. All three of them wrote an interesting letter, in which were explained their regrets and doubts as to their ability to attend the Reunion but all three of them enclosed checks. — Jack Wood, the Pearl Prince of Providence, and ranking amateur yachtsman of Narragansett Bay, contributed a descriptive eulogy of the Corinthian Yacht Club.

To each and every member of the Class who has not yet done so and who, within the next ten days, mails a check for \$2.00 to A. P. Dunham, we will forward a specially engraved and illuminated copy — maybe.

Jim Wallis is back from Asia, still with the Sullivan Machinery Company and planning to come up from Hartford to tell us all about selling shiploads of heavy machinery to Asiatics. — Phil Hulburd, the Exeter professor, writes he is surely going to be on hand for the whole show. — Ted Bernard's card didn't really express his eagerness for the festivities to begin, but Ted will be an important adjunct to the festivities of the Reunion. — Gus Farnsworth had lots to say. We can't repeat it all here, but it's sufficient to know that he will be among those present. — Bob Erb took no chances on being misunderstood — he put about ten check marks to indicate his eager expectation of being at the Reunion. — Paul Bertelsen and Bob Marlow both told us they expect to practice religiously on the golf links between now and reunion time and to carry

away the reunion golf prizes, but that's no cause for worry because Dick Whitney and Mac McGrady have sent in their contributions under the proviso that they determine all handicaps.

Doug McLellan, the architectural wool dealer, promises to be on hand for everything. Incidentally we wish you could all see the way he spelled Brick's first name. Never mind, Doug, Brick will cash it. — Ken Lane, the intrepid air man who builds flying machines, says he'll be there if he has to go so far as to fly one of his own machines. — Lucius Hill and Walt Beadle are among the happy contributors to the fund of bigger and better reunion notices.

King Gillespie will kindly forward check in an early mail. You simply forgot to put it in the envelope, King, old boy. We'll forgive you, though. — Dex Tutein reminds us he sent Brick \$12.00 in October. There's an enthusiast for you. All right, Dex, we'll debit that personal credit \$2.00 and give you a regular full paid subscription to future issues of reunion notices.

C. E. Ames, C. E. Turner, C. C. Crowell, Clarence Cochrane, H. N. Keene, R. H. Wheatley, Bob Blackall, E. G. Polley, N. B. Gardner, Jack Cronin, W. H. McAdams, C. E. Ross all said they would attend the Reunion in style — in their own style. And they're all craving to see more and better notices, and believe us, they will. The above aren't all, by any means, who are coming. Many, many more are even now feverishly hunting for that last notice with the return card. Well, look no further. Be generous. Pay your own postage. Use your own stationery. Send your own check (or anybody else's that is good). We take cash, too. No need to limit your contribution to \$2.00. Follow the example of our illustrious maker of couch hammocks, gliders, and lawn chairs. Send ten, or twenty, we don't care!

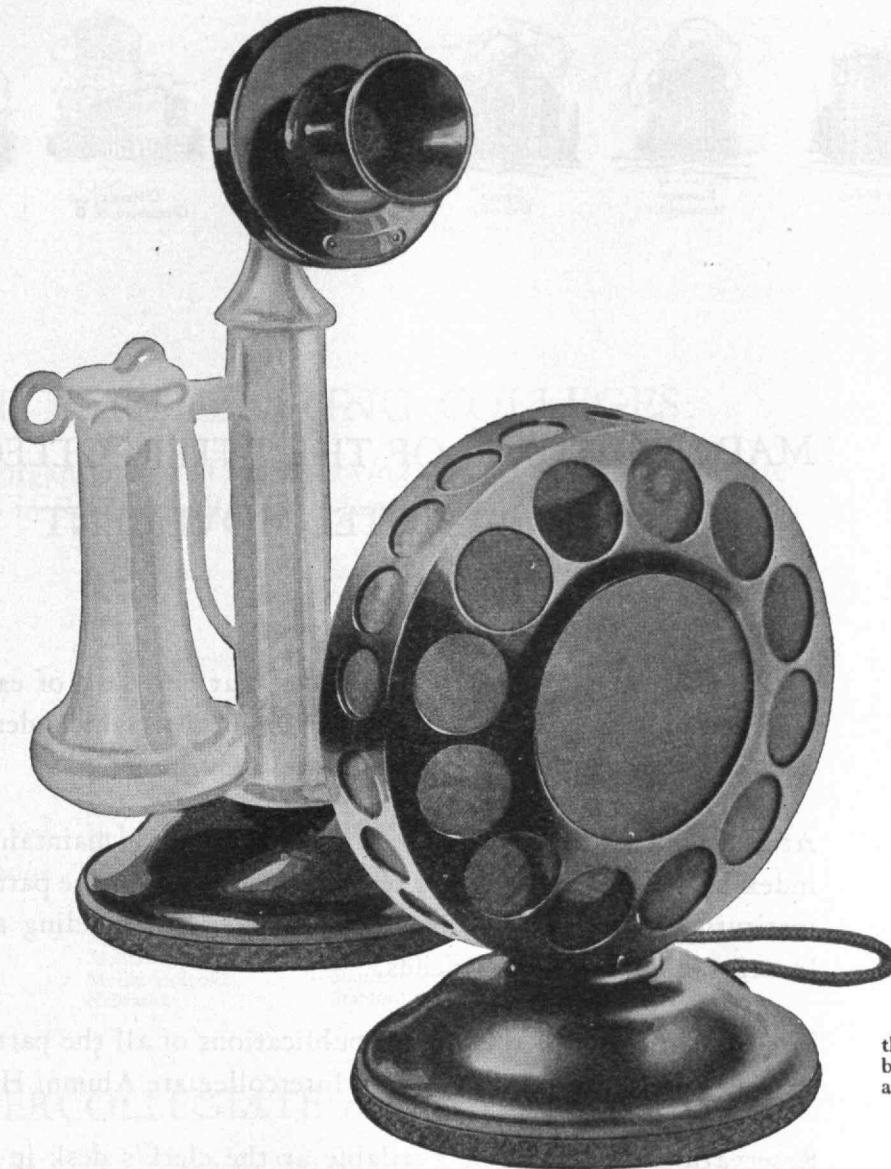
And now for those poor unfortunates who for reasons can't, won't or don't care to come. There are a few of the first classification, fewer of the second, and we're glad to note, none of the third.

We feel sorry for M. J. Mackler for he states that he will not be able to attend the Reunion as "We are all busted in Florida." — From California, I. B. McDaniel sends the message, "Sorry I can't make it." Apparently California is busted too, because Mac didn't enclose \$2.00 either. — We envy H. L. Rogers, whose personal secretary replies that he is at present abroad, where he will remain for some time. It must be fine to have a personal secretary, but instructions should be left to read all similar notices more carefully, particularly with reference to the contribution. — One of our fair co-eds, Matilda Fraser, writes she is sorry she "can't attend but it sounds interesting. I hope you will all have a good time."

Horace M. Baxter scratched out everything on the card and writes as follows: "I do not think I can come. You need not send me any more notices concerning the Reunion." Don't worry, Horace, old fellow, we won't. — Henry C. Clayton objected to the wording of our card, changing the second line to read, "I can say regretfully that I will not be able to attend" and what is worse, he changed the last line to read, "I do not enclose \$2.00." Can you beat that? — Donald N. Swain says he will be in Australia at the time of the Reunion. For \$2.00, Don, we will send you notices there or anywhere else. No increase in subscription rates on foreign mailings. — J. Worthen Proctor tells us that he will be on duty at the Raritan Arsenal at the time of the Reunion. Better come to Marblehead, J. W., there will be some fancy fireworks there during the Reunion.

H. F. Goldsmith used our delightful subscription card to write Mac a note concerning what to do with it, but we won't expose him yet. However, his suggestion was omitted. We will give him a few days to mail it in. Two cards have been received without marks, signatures or contributions, one from Boonton, N. J., the other from Lynn, Mass. Well, it isn't hard to guess whose cards they were. Still we'd like to have each drop us a card announcing intentions to attend. Just think how easy it will be for that Lynn guy. — Florence L. Kenway and Esther M. Warren sent their regrets. We suspect that possibly Mac's first notice might have had something to do with it. — These few notes have been compiled by a classmate wholly inexperienced in such undertakings and solely because we felt sorry for Ray Stevens. We happened to call on him the other day and found him suffering from the after effects, of la grippe, surrounded by hundreds of returned cards, and trying to dispose of a salesman guy trying to sell him cotton linters. N. B. The salesman guy comes from Philadelphia when he isn't in Fall River and his first name is the same as that of a famous drunken actor. [All the foregoing has been collected and written anonymously. — The Secretary]

RAYMOND S. STEVENS, *Secretary*,  
30 Charles River Road, Cambridge, Mass.  
(Continued on page 380)



This picture suggests the family resemblance between the telephone and the microphone.

## *The younger brother of the telephone —*

THERE'S reason a-plenty for family resemblance between the telephone and the microphone, familiar symbol of radio.

Each is a gateway of sound. Through the telephone transmitter, your voice starts on its narrow path. So a radio voice first enters the microphone, later to spread far and wide to every tuned-in receiver. Or the orator's voice, in a Public Address System, passes through the microphone to a vast auditorium's remote corners.

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## MAIN FEATURES OF THE INTERCOLLEGIATE ALUMNI HOTEL MOVEMENT

Interested alumni can secure from a clerk at the desk of each Intercollegiate Alumni Hotel an information leaflet which describes in detail the Intercollegiate Alumni Hotel movement.

At each Intercollegiate Alumni Hotel there will be maintained a card index of the names of all the resident alumni of all the participating institutions. This will be of especial benefit to traveling alumni in locating classmates and friends.

The current issues of the alumni publications of all the participating institutions will be on file at each Intercollegiate Alumni Hotel.

Reservation cards will be available at the clerk's desk in each designated hotel and at the alumni office in each college or university. These reservation cards will serve as a great convenience to travelers in securing advance accommodations.

The managers of all Intercollegiate Alumni Hotels are prepared to cooperate with individual alumni to the fullest extent and are also prepared to assist in the creation of new local alumni associations and in the development and extension of the activities of those already formed.

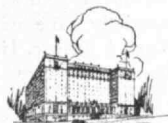


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## THE PARTICIPATING COLLEGES:

The alumni organizations of the following colleges and universities are participants in the Intercollegiate Alumni Hotel movement:

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Alabama	Harvard	North Carolina	Texas A. and M.
Amherst	Illinois	North Dakota	Texas
Bates	Indiana	Northwestern	Union
Beloit	Iowa State College	Oberlin	Vanderbilt
Brown	James Milliken	Occidental	Vassar
Bucknell	Kansas Teachers' Coll.	Ohio State	Vermont
Bryn Mawr	Kansas	Ohio Wesleyan	Virginia
California	Lake Erie	Oklahoma	Washington and Lee
Carnegie Institute	Lehigh	Oregon	Washington State
Case School	Louisiana	Oregon State	Washington
Chicago	Maine	Penn State	Wellesley
City College New York	M. I. T.	Pennsylvania	Wesleyan College
Colgate	Michigan State	Purdue	Wesleyan University
Colorado School Mines	Michigan	Radcliffe	Western Reserve
Colorado	Mills	Rollins	Whitman
Columbia	Minnesota	Rutgers	Williams
Cornell	Missouri	Smith	Wisconsin
Cumberland	Montana	South Dakota	Wooster
Emory	Mount Holyoke	Southern California	Worcester Poly. Inst.
Georgia	Nebraska	Stanford	Yale

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## INTERCOLLEGIATE ALUMNI HOTELS:

Roosevelt, New York	Onondaga, Syracuse	Schenley, Pittsburgh
Waldorf-Astoria, New York	Sinton, Cincinnati	Wolford, Danville, Ill.
University Center,* New York	Wolverine, Detroit	Neil House, Columbus
Copley-Plaza, Boston	Multnomah, Portland, Ore.	Pere Marquette, Peoria
University Center,* Boston	Sacramento, Sacramento	Southern, Baltimore
Blackstone, Chicago	Californian, Fresno	St. James, San Diego
Windermere, Chicago	Lincoln, Lincoln, Nebr.	Park, Madison
University Center,* Chicago	Oakland, Oakland, Cal.	O'Henry, Greensboro, N. C.
Benjamin Franklin, Philadelphia	Lycoming, Williamsport, Pa.	Sheraton, High Point, N. C.
Willard, Washington	Mount Royal, Montreal	Charlotte, Charlotte, N. C.
Radisson, Minneapolis	King Edward, Toronto	George Vanderbilt, Asheville, N. C.
Biltmore, Los Angeles	Coronado, St. Louis	Francis Marion, Charleston, S. C.
Palace, San Francisco	Bethlehem, Bethlehem, Pa.	Ponce de Leon, Miami
Olympic, Seattle	Urbana-Lincoln, Urbana, Ill.	
Seneca, Rochester	Saint Paul, St. Paul	
Claremont, Berkeley	Savannah, Savannah, Ga.	

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Williamsport, Pa.SAVANNAH  
Savannah, Ga.

Continued from page 376

'18

This Class is springing to life. More and more of you are finding it worth while to drop me a line, and the writers don't use post cards either.

Stan Cummings just dropped in for a social call and wished to be remembered to all. He is with the Hoover vacuum cleaner people in Canton, Ohio. — Here's a letter from Bill Turner, written at 301 U. S. National Bank Building, Denver, Colo: "It has been a long time since I last wrote, but to help out a bit with the 1918 column of notes, I am sending the following. If your memory is anywhere near as bad as mine, you probably don't recall me at all, so to refresh it a bit I will say I belonged to that lot of begrimed and maligned miners who in the early days toiled in the subterranean basement passages of Rogers Building. The brood in Course III at that time included such notables as Chink Evatt, the terrible Scotchman, Pete Sanger, who moved a mean game of chess, and George Halfacre, fleet of foot and figures. I noticed the February notes mention Walter Russert and his mining accomplishments with the Anaconda Copper Company. I wish Walter still had access to that brewery in Roxbury where he used to regale us on a Saturday afternoon occasionally with beefsteak, beer and pretzels. Oh, when shall we three meet again! That reminds me, that Colorado in general, and Denver in particular, is a dry climate in every sense of the word, but of course that needn't interest you fortunates who live on the seaboard. At any rate I look forward to the Ten Year Reunion next year in Boston, and if the brothers who live there and know the ropes don't have something on hand to make the old song ring with a true note, I know Chink Watt and I will be in the dumps. Perhaps I'm presumptuous to include Chink in this classification, but if he doesn't like it let him reply in next month's notes. I haven't heard him in a long time anyway.

"I got off my story a bit in lining up some of the Course III people. There were several others, but one in particular that we should mention. Sybil Walker graced our Course, you know, and among other things, made the field work in geology a real pleasure.

"I'm hoping some of the people I've mentioned above may read this and drop me a line, as I would be glad to hear from all. Pete Sanger especially take note. The only other '18 man in Denver is Bill Wyer, I believe. He was a tennis man, you will remember, and still keeps it up somewhat when he can get away from figuring on the frogs

and fish-plates, as he is connected with the President's office of the Denver and Rio Grande Western Railroad in charge of statistics.

"I hardly feel that I could claim any more of your space, but a word about my own activities might be of interest to someone. I have been with the Texas and Pacific Railway for the last six years, and for the past two years in Denver. I have charge of the freight and passenger interests for this line in the five inter-mountain states, and apparently railroading will continue indefinitely to be my means of livelihood. It is fascinating work.

"If any one of you likes to fish or hunt, come out here and spend your vacation with me. This is the country where you actually catch the kind that ordinarily one just talks about after they get home. I'm a poor shot, but last year my bag contained a deer, a bear, one mountain lion, two coyotes, ducks, two geese, sage hens, prairie chickens, pheasants, and a few hundred jack rabbits and prairie dogs. Yes, I work some, too."

Lenny Levine has also come across with an interesting letter: "I have just finished reading the December, January, and February copies of The Technology Review and must admit that I got a real kick out of reading the 1918 personals. It seemed good to hear about fellows like Walter Engelbrecht, Al Saunders, Mike Malley, and Parker Kennedy whom I haven't seen for a long time. I wish you would send me the addresses of these three fellows as I would like to get in touch with them, especially Kennedy, as I get up to Watertown, N. Y., every once in a while.

"It certainly is interesting to note the different lines of work some of the boys have gone into. I guess I've branched into a business that is about as foreign from engineering as anything passably could be, that is, the clothing business. I am associated with Nat Krass, who was in Electrical Engineering. Nat has been very successful in applying several very sound engineering principles to the clothing business. He has built up a very large business by concentrating on the production of men's blue serge suits. Applying automobile methods in the buying of materials and production and getting national distribution makes this proposition a very interesting and highly specialized 'engineering job.' Although I am on the road a great deal of the time, I want to say that the old engineering training is extremely helpful. Selling certainly is mighty interesting. Inasmuch as I go all through New York State, if any of the boys who are located in the State will drop me a line I will be more than glad to drop in and see them, or if any of the boys are in New York City I would be delighted to receive a visit. My address is Smithson Serge Company, 151 Fifth Avenue, New York.

"I meet Al Hamilton once in a while in Buffalo. He is selling steel and is the same old pleasant, affable Ham. I also ran into Ed Ryan the other day in Boston. Ed used to pitch for the '18 ball team. Bunny Gleason is around Boston and still talks baseball even though he has two or three offspring."

Jack Hanley, regular as clockwork, gives us the results of his contacts in the following: "I received a card from Al Hærtlein who is apparently now located in Pittsburgh. I was down there last Friday, but was busy all day and just caught the rear end of the five o'clock back to Cleveland, so did not have a chance to call him up. His address is 550 Farson Square, so when I'm down there again I'll plan to call him. I wasted an evening in Detroit last week also, writing reports at the Old Colony Club when I might have been looking up Al Saunders. I just got a new list of Technology graduates from Dennie, and I see Al is listed in Detroit. If I locate him I will send you a word as to his activity.

"I was up to Michigan City last Monday and while calling up Chicago for some dope on a plant I heard that Bob Grohe is with the Protection Mutual Insurance Company office there in a job which I imagine is very similar to mine.

"We had a very successful luncheon here a couple of weeks ago with President Stratton as guest. About seventy turned out from Cleveland and surrounding cities. It was very interesting to hear of the activities of the Institute first-hand from one so well informed. The President certainly sold himself to all the Alumni present. He spoke of some of the professors going to the high schools near Boston and giving lectures to prospective Technology students. If it would be possible to get a copy of one of their lectures, it would serve as meat in talking to youngsters in this vicinity who are contemplating Technology.

"Regards to any of the '18 gang, especially to those you may see at the '18 luncheons. How is Shorty Carr getting along as a married man?"

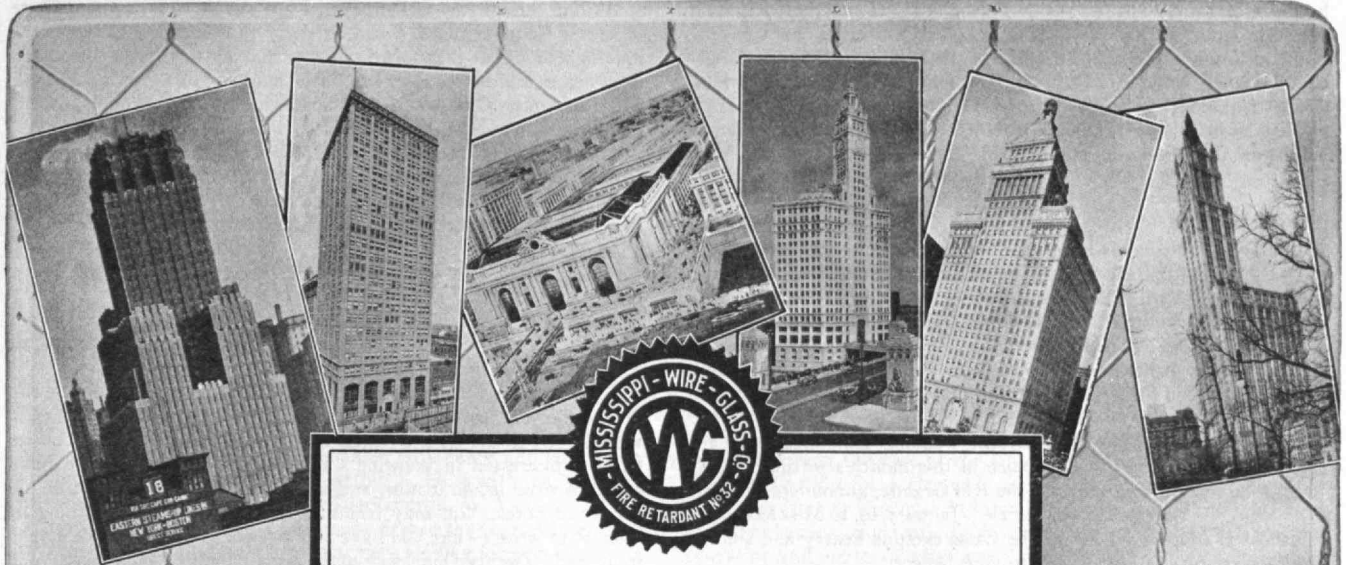
Thomas C. Desmond, '09, President of the Technology Clubs Associated, has sent me a letter stating that on Friday, June 10 and Saturday, June 11, an All-Technology Reunion will be held in New York under the auspices of the Technology Clubs Associated. The

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1918 Continued

headquarters will be at the Waldorf-Astoria Hotel and there will be a varied program of events which it is hoped will make the Convention and Reunion one of the most important gatherings that Technology has ever held. Mr. Desmond's Committee hopes that various Classes will see fit to hold their special Class Reunions in the vicinity of New York this year. One feature of the All-Technology Reunion will be another big radio banquet.

RAYMOND P. MILLER, *Secretary*,  
Room 3-210, M. I. T., Cambridge, Mass.

**'19** No notes have been received by The Review Editors from the Secretaries of this Class for inclusion in the April issue. The Secretary received the usual notification that copy was due, accompanied by such news as had been compiled in The Review Office. Members of the Class having news or inquiries should address them to Paul F. Swasey, Secretary, at 99 Washington Street, East Milton, Mass.

**'20** A couple of important wedding announcements are entitled to first place in this month's jottings. A. A. Brown, down by the Rio Grande, announces the glad tidings. He was married, January 19, to Miss Margaret Whitfield Hyslop at El Paso. The Class extends hearty and sincere congratulations and best wishes to you, Skeets.

Murray Whitaker comes a close second, having married, on February 12, Miss Evalyn Magdalene Maley at Cincinnati. Congratulations no less hearty and sincere to you, Murray.

A welcome letter from Professor Arthur Radasch came recently and is quoted here in full: "For the past five and one-half years I have been professor of chemistry at the New York State School of Ceramics of Alfred University. This is a little fresh water college of nearly 500 students. The year 1925-26 I took off trying to teach ceramic engineering but switched back to chemistry last fall, as I like it better. I have now just changed my position and started the first of February to work as chemical engineer for the Barrett Company of New York. I am now out to demonstrate whether or not a good teacher can practice as well as he preaches.

"To all chemists and chemical engineers who do not already know it, I want to announce that last spring Doc Lewis and I published a little book by the harmonious name of 'Industrial Stoichiometry.' I urge all such to buy a copy of the same for two reasons: first, because I get half of the royalties, and second, because it's a pretty good job if I do say so myself, but shouldn't. My present home address is 9 South Parkway, East Orange, N. J., and business address is 40 Rector Street, New York."

Heinie Haskell sends me a brief—very brief—note calling attention to a change in jobs, albeit no change in concern. (K. B. White please note.) Heinie has been promoted to General Superintendent of the Worst Division of the Lorraine Manufacturing Company of Pawtucket. He says, "In these days of starvation profits in textile manufacturing, I expect to be rather busy." We've never known Heinie when he wasn't busy, and this important position with one of the country's leading mills is no more than one would expect of one of Course XV's leading lights. Some of you fellows who think there's another good Course at the Institute besides XV kindly turn over to me examples of business or scientific prowess to prove it. I'll see that they're published even if they dim the glory of Course XV.

Writing these notes in February, I am unable to give you definite report of Reunion plans. I can only say that such plans are in the making and repeat that suggestions for making this spring's Reunion even bigger and better than the Fifth should be forthcoming at once. The Technology Club wants us to hold it in New York around June 10 to tie up with the big All-Technology Reunion at the Waldorf-Astoria, June 10 and 11. Others say Boston, and others suggest a compromise at some spot between the two. What do you say? Don't stand by and let others tell you. Give us your opinion, only do it soon. We'll appreciate your views on this important subject.

HAROLD BUGBEE, *Secretary*,  
9 Chandler Road, West Medford, Mass.

**'21** I was very sorry to disappoint you in the last issue; a week in bed prevented getting the notes in shape, so I shall endeavor to make up in this issue.

So far the response to the Class letter sent out the first of the year has been splendid. At this writing, however (which is the last of February), the replies are coming in too slow. The entire Class is interested in knowing "What's New." If so far you have failed to write in, do it now, and we will continue to have an ample supply of notes. You may feel that you do not have anything of interest to write—but you have and a few lines at least once a year from each Twenty-Oner will make us all happy. To relieve your conscience, dig up that "What's New" sheet and send it in. If it is lost, write anyway.

Here goes for the personal news! At the Annual Alumni Dinner in Boston last January a few of our Class were there. George Thomson, X, circulated a dope sheet and in the course of the evening persuaded each of the modest Twenty-Oners present to write almost a complete sentence about himself. It seems that Technology men as a whole are men of few written words, except in business reports.

Your Secretary is grateful for the following information from George, who is working for his Ph.D at the Institute: A. N. Kirkpatrick, X, has been Boston representative of The American Appraisal Company for the last three years. He is a confirmed bachelor.—A. J. Kiley, II, is in business with his father in Somerville—James and Kiley Company. He, too, is single.—Glen Fargo, II, is now comptroller of the Gladding Dry Goods Company, Providence, R. I. He is married.—M. M. Bauer, XV, is with the United Steel Company, Boston, Mass.—Art Collins, II, is working in Providence. He is married and has one baby.—Fred Adams, X, is head of the Bangor XA Station. Dick Richards, X, is his assistant.—A. J. Johnson, XIV, is with the New England Telephone Company, Providence, R. I.

B. A. Nelles, II, is with the Malden and Melrose Gas Light Company as Industrial Service Engineer (house and industrial heating). Not married.—L. D. Chellis, II, is a consulting engineer in New York and is unattached.—F. M. Rowell, II, is assistant manager of the Plymouth Electric Light Company. He is married and has a son.—Albert E. Povah, II, is with the United Shoe Machinery Corporation. He is single.—George B. Wetherbee, II, is at the Fore River Plant, Bethlehem Shipbuilding Corporation, Quincy, Mass. He is married.—W. C. Hagerton, VI, and his brother are in business, the Temple Shade Company, Boston, Mass. He is not married.—C. E. Thornton, VI, is with Gibbs and Hill, Inc., consulting engineers, Pennsylvania Station, New York.—A. L. Kerrigan, VI, is with C. H. Tenney and Company, Boston, Mass.

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1921 Continued

The question was asked at the table, "Where is Willie Corbett, II, working?" Answer: "He is not working, he is teaching in the South." — Charles O'Donnell, II, from Lowell was at the banquet and is not yet married. — Elsie Pelkus is a still leading light in the Barnstead Still and Sterilizer Company, and is not married, but it is thought that he is slipping. He has moved to Perkin Street, Jamaica Plain.

John M. Sherman, X, 16 Myrtle Street, Belmont, Mass., being married, still retains his youth. Jack writes as follows: "I guess you knew that I spent a couple of years at the Harvard Business School, which is supposed to make a person qualified to be General Manager or President, or something of a big corporation in ten lessons. Well, I'm not holding down anything like that, because I preferred to start at the bottom and let the older men with families and dependents have the \$10,000 jobs. Advertising is my line. I am associated with the firm of Eugene C. Miles, Publisher's Representatives, at 51 East 42d Street, New York. We sell space for certain class, trade and technical publications in the territory of New York, New Jersey, Pennsylvania and New England.

"On a recent trip I bumped into Red Bachmann, X, at Holyoke, who is associated with one of the big paper mills there, and later while en route to Pittsburgh I met Joe Gartland, X. He is with the National Carbon Company and is located at Clarksburgh, W. Va."

Larry Conant, XV, was in Chicago the first of the year. A brief chat with him disclosed that he was at that time looking for new worlds to conquer. For some years Larry was with F. H. Conant and Sons, Inc., at Camden, N. Y., and was making a survey of the furniture industry to determine where the best opportunity lay.

A. D. Harvey, III, is assistant sales manager of the Nash Engineering Company and spends much of his time at headquarters in South Norwalk, Conn. Dan was at the Power Show in Chicago the middle part of February and so was Tommy Thompson, '22, who also is with the Nash Engineering Company in the sales department. It was great to see Dan again. Business cares do not seem to be burdening him at all. Dan is not married and is proud of it. To all Twenty-Oners who get within shooting distance of South Norwalk in the summer, he extends a cordial invitation. The swimming and sailing on the east coast are just as wonderful as ever, and Dan has a thirty-foot yawl awaiting you. Dan says Watts Humphrey, III, is still located at

Joplin, Mo., and that Harry Junod, IX-B is selling pig iron out of Detroit for Pickands Mather.

Our heartfelt sympathy goes out to George T. Welch, XV, in the loss of his wife. — H. D. Griswold, XV, Griswoldville, Mass., is assistant treasurer of The Griswoldville Manufacturing Company, manufacturing and finishing of light weight cotton goods, gauzes, cheesecloth, buntings and so on. Griswold was married on June 20, 1922, and on January 8, 1927, Robert Deane arrived, weighing six pounds, fifteen ounces.

Deane says, "I have been with this company ever since graduation, first in the sales office at 56 Worth Street, New York, later at the mill as Service Manager, working on reorganization of manufacturing and finishing plants, both physical and personnel. We moved a mill twenty miles on trucks and increased production at the same time. I am now working in a little sales development work with the other things."

William Thompson Smith, X, is with Ford, Bacon and Davis, Inc., Engineers, 115 Broadway, New York. Bill says he is actively following chemical engineering, but for some time past has not quite caught up with it. Bill was in Chicago about the first of the year in connection with developing the case of the Chicago Motor Coach Company in their application for a city-wide franchise. He then went down to Carthage, Mo., to look over and report on a group of marble quarries. His last chemical engineering job was a thorough examination of the operation and merits of what was claimed to be a radically improved process for the manufacture of rayon.

Harold F. Stose, XIV, and Miss Mary Louisa Boyd were married on December 31, 1926. They now live at 371 Broadway, Cambridge, Mass. Stosie is engaged in chemical engineering rubber research at the Hood Rubber Company. — On December 9, 1926, Miss Effie Christie Ross and William L. Hawes, X, were married in New York City. — Allen Addicks, X, 106 S. 36th Street, Philadelphia, Penna., is in the gas business. For six months he was with U. G. I., three years with the Public Service Company of New Jersey, and one year with the Surface Combustion Company, doing survey work for the Boston Consolidated Gas Company. Al wrote that he was about to become Managing Editor of *Industrial Gas* in New York. Al is not married. — Irving D. Jakobson, XIII, says there is nothing new. He's single and very happy. Jake is with Jakobson and Peterson, Inc., foot of 16th Avenue, Brook-

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TRUST DEPARTMENT

# OLD COLONY

## TRUST COMPANY

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1921 Continued

lyn, N. Y. Jake writes, "A. M. McMorran, II, is engaged to Miss Borghild Fouchald, of Minneapolis. He is now in charge of the acoustical department of Johns-Manville Company at Chicago. Lig Gatewood, XIII, is with the Standard Oil Company of New Jersey, and at sea most of the time acquiring a knowledge of Diesels. Cap Officer, XV, is with The Holland Tunnel concern and lives at 18 East 9th Street, New York.

Victor S. Phaneuf, II, 308 Main Street, Nashua, N. H., is Vice-President of the Technology Club of New Hampshire. Vic is not married, but supports a Cadillac. He is engineer and estimator of building construction for S. Belanger and Son, Inc., of Nashua. Vic writes, "Any Twenty-Oners traveling over the Daniel Webster Highway on their way north to the White Mountains, to Canada or better on their return should not fail to stop as they pass my office door. I'd be tickled to thirst to see you. There is also a very interesting eighteen hole golf course for all Twenty-Oners to try out here in Nashua."

S. E. Travis, Jr., VI, 500 2d Street, Hattiesburg, Miss., is President, General Manager and controlling stockholder in the Weldmech Company, who are welding and mechanical engineers doing a wide variety of work. He left bachelorhood in November, 1923, when he married Miss Alice Sanford Jones, of Danville, Va. — William A. Swett, X, is with the A. L. Smith Iron Works, Chelsea, Mass., and carries a mail address of 92 School Street, Springfield, Mass. — Edward W. Noyes, III, 137 Adams Avenue, Scranton, Penna., is district sales manager with the Sullivan Machinery Company, selling mining machinery to anthracite coal mines. Ed has been with this outfit since graduation. He writes that Eddie Jr. is now three years old, and baby Isabelle is one and one-half years. — George B. Wetherbee, II, is at present draftsman at the Fore River Plant, Bethlehem Shipbuilding Corporation, Quincy, Mass. George is married and living in Quincy, and says, "E. S. Russell, II, is employed with the same company and I see him often."

Robert R. Whitehouse, XIV, 195 Broadway, New York, is with the Western Union Telegraph Company. Bob is not married. — Manuel Sandoval Vallarta, XIV, is at Technology as assistant professor of Physics. — Lewis W. Moss, XV, C. C. & St. L. Ry. Co., Mt. Camel, Ill., says he is still working for the best railroad in the country and enjoying it. — William J. Sherry, X, is engaged in producing oil and

gas with properties in Okmulgee and Creek Counties, Okla. His address is 441 Kennedy Building, Tulsa, Okla. — Robert A. Eckles, IV, New Castle, Penna., was married in 1922, and now has two children in the family. Bob is a member of W. G. Eckles Company, architects. — Charles McGill, IV, formerly of Rockford, Mass., is also with W. G. Eckles Company. He is married and has a baby daughter. — Thomas F. Hickey, II, Universal Oil Products Company, 310 South Michigan Avenue, Chicago, Ill., says, "Nothing new — am still in the business of designing oil refineries and the 1,001 ramifications connected therewith. Marriage not yet on the horizon."

That's all for now. Watch the next issue for much more news. To those who have not — send in "What's New" and do it now.

R. A. ST. LAURENT, *Secretary*,  
431 Oliver Street, Whiting, Ind.

CAROLE A. CLARKE, *Assistant Secretary*,  
121 Shearer Street, Montreal, P. Q., Canada.

'22 "It is portentous, and a thing of state." By it we refer not to that same quality uppermost in the mind of Elinor Glyn, but to the degree to which this man Horn has whipped the emotions of the Class to the almost hysterical pitch whereat it must have a reunion within the next sixty days, or go off its nut altogether. Even the Gensec's folder reflects the urge and bulges like a boa constrictor that has swallowed a pineapple (or whatever they swallow). It is ironical that, in this very month when so much is up and doing, we should be held down to the irreducible minimum of space displaced. Everyone else feels similarly moved to utterance, however, with the result that this month the section carries some forty thousand words or so. So it is that we must leave the heavy uttering to Heinie Horn (one block south, just around the corner), to George Holderness, the simile-smith, and to Parker McConnell, who suddenly lifts his voice from out of Poughkeepsie, N. Y., to universal joy. We have no room, this month, in which to tell you that socially, great tone has been lent the office by calls from Lee Cowie and Rex Hall, on adjacent Saturdays, that the response to the call for two dollars has been nothing short of amazing, although there are still a few notable recalcitrants who will please feel guilty as they read this and send at least a suspender button to the Cause, that several gents have been sweet enough to accompany their checks with a few kind words, to be published in full next month, that Ralph Conyers thinks one bill every four and a half years is too many but kindly remits just the same, that Bill Perry sends a more or less amazing note apologizing for the loss of the Reunion ticket which he was given on Class Day in 1922, and hopes he can attend just the same (action please, Mr. Horn) and that, in general, the coming event is casting great shadows before it. Next month, we expect to devote the entire Review to the details of the party, but for now we will relax and begin on the job of gathering momentum.

It would seem that Mr. Horn has something to say.

ERIC F. HODGINS, *General Secretary*,  
Room 3-205, M. I. T., Cambridge, Mass.

#### Reunion Notes

The job of correspondent has long since been put in the discard and the position of Reunion Chairman is fast coming to the fore. Most certainly the Chamber of Commerce of Kingston, Penna., should make a large donation to the Class of 1922 for having put that charming, thriving little coal region town on the map. Letters are being received in such quantity as to make it necessary for the United States Government to enlarge the post office of our charming village. If it were not for the fact that the Reunion and its business will be completed by June 18, I really believe that Congress would be appropriating the necessary funds for a new post office.

The records show that we are to expect over 250 "paying customers" for this coming great event and we have more than 150 that are sitting, some firmly and some not so firmly, upon the proverbial fence. A very slight wind in the proper direction will knock enough of these off to necessitate placing all available large chairs in the lobby of the Mayflower Inn to accommodate the customers that are inclined to be a bit tardy in their arrival.

A special messenger has just delivered to the Field Headquarters a report that the firm of Bower and Bard, or Bard and Bower, whichever way you will have it, is making even more extensive preparations than heretofore, now that they have heard of the entrance of one Mr. Stalbird into the long distance race. We have also heard that in New York the boys are betting very heavily on Messrs. Bower and

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1922 Continued

Bard and because of the scarcity of Stalbird money are willing to offer the odds of ten to seven that the duet will be the victors in this competition. Our worthy Gensec, being somewhat of a globe trotter himself, has tipped us off that the wise money is lying back and waiting to ascertain whether or not Mr. Stalbird will swim the distance, or pay his way and ride in state. If Mr. Stalbird takes it upon himself to present the various railroads and steamboat companies with good cash money, it is the general belief that the wise boys will lay theirs on the Chubby One. The Reunion Committee is at this time considering the advisability of running Pari Mutuel machines for this race. It is felt that the race will probably be run with an added purse, the amount of which will be announced in our next issue.

Mr. Creepy Crofton advises us that the Rotund Canner of Rochester is laboring so hard in getting his delegation together that he is wearing himself down to a mere skeleton. If such is the case it will be an easy matter for some of the Strong Boys of Boston to enter the weight-lifting contest with one hand tied behind their backs. The Committee in charge of this event is considering the question of making this a handicap affair. The erstwhile Rotund Canner, Mr. Hugh Shirey, may be seen by any of the prospective competitors at 30 Print Street, in the evenings from eight to twelve, or at the Curtice Brothers plant during the day. He is never out to lunch. We would suggest that the most advantageous time is high unto midnight.

Our old friend, Gus Oddlafson, has entered this competition, and we understand that he has hired one of the Burns detectives to keep a very close eye on the activities of Mr. Shirey.

Creepy reports further that the prospective bridegroom, Matt Taylor, is getting all the best of Mr. Shirey at present. It seems that under the arrangements that have existed between these two buddies, they take turns paying for the dinners at the University Club. The eminent Canner is so set on getting down to a low weight that he is eating practically nothing. This, of course, is all very well for the prospective bridegroom. By June, Mr. Taylor will have set aside a tidy sum for a new fangled ice box. It is hoped that he will use good judgment in keeping Mr. Shirey out of his ice box after June 18.

Windy Hammond reports that the Buffalo delegation will be very close to 100 per cent strong. He has recently acquired the assistance of Gyp Blood, former light heavy-weight champion of Taunton, Mass. It is alleged that Gyp has many backers for the weight-guessing

contest. His past experience in the prize-fight ring and in the steel mills makes him a very logical contender for the honors.

Looking through the files is an interesting act. Remember that long drink of water, Pete Morrow? Well, Pete runs the Morrow Drug Company down in Springfield, Ohio. I am not sure whether he is the chief chemist or the chief druggist, but at any rate Pete is sitting on the well-known fence and is just about to fall on the east side. As soon as the fall is made our numbers will be increased in height, if not in weight. Then there is George Heathman, Akron's society man. George is a certainty. And Joe Patty, father of the *Tech Engineering News*. Joe is coming back for two reasons, first to see the Reunion and second to look the *T. E. N.* over.

Detroit has the makings of a strong delegation. Little Billy Bower will let the automobile business go to pot for about a week. The Detroit Edison Company will be without the assistance of Larry Connell. Hua Kaw is joining them. Hick Hickernell is coming over from Jackson and leaving another Power Company in despair. Then, there are several of the boys who are sitting on the fence waiting for little William to come around and bowl them over.

The Chicago delegation is getting larger and larger. Wes Manville and Art Meling are gathering the boys together — Bill Barrett, Sherm Nichols, Fran Slayter and Ted Ray. Johnny Cychol is coming up from Paris — only this Paris is in Illinois. Dan Reed will join them from Blue Island. Bert Weber, Chicago's coming architect and one of the assistant managers, will no doubt be diving off the shores of old New England in June. Here's another man from Paris, Jack Halpin. Wonder if Jack thought he had the right Paris when he left home.

Godfrey Speir from Chicago and Larry Washington from Minneapolis have become very ambitious, and they will travel in a vehicle which they have termed an automobile. They are looking about for a couple of side kicks to hold down the rear seat, and I imagine this will help hold down the expenses.

First, St. Louis has a world champion ball team, and now Sid Hall and Vinc Ring will be their outstanding delegates to Plymouth, Mass., this coming June. The old reliable, J. Sterling Kelley, will be joining them from Kansas City. We may be able to persuade Jack Wishman, the Missourian from Webster Groves, to join the troupe.

The famous T. N. Berlage has not furnished us with very much

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## 1922 Continued

information as to his possible connections with this Reunion. His secretary, working, we suppose, under strict orders from T. Nicholas, returned our second questionnaire with the mere notation that 1922's foremost executive placed himself among the missing. There was some further information on the questionnaire such as the address and the name, and the notation to the secretary "Pls. return to —" From this we learned the abbreviation of please. Certainly T. Nicholas must be greatly overworked, and I hope that we can persuade the management of the Chicago delegation to make an appointment and visit Mr. Berlage at his offices on Michigan Avenue. We would like to have him with us.

This Pittsburgh outfit is a strong crowd. There are only a few 1922-ers in Pittsburgh, but Jack Nicholas, Johnny Plimpton, Morris Bradley, Dave Davidson, Lew Hill, Jim Kinnear and probably Turner Harding will compose this merry band. We hate to be discouraging, but there seems but little chance that any other particular delegation can successfully compete with this Pittsburgh outfit for first honors on a percentage basis. They are going to run very close to 100 per cent and we feel that we might just as well award the district attendance prize to this band of cohorts.

Of course, the Boston delegation is a very strong one. There are about 400 of our classmates in Massachusetts, and the big majority of these are in Boston and vicinity. There are ninety-two men in that delegation that will dig up the price of transportation from Boston to Plymouth. Of course, there is the worthy Gensec who, we imagine, will be able to get his high powered cab firing on all five cylinders long enough to reach the Mayflower Inn. Then there is Bill Russell, chief of police of this affair, and also head of the fire department. Jimmy Duane, our star golfer, is taking three bags of clubs, one for each day. Warren T. Ferguson, the actor, will be among the ninety-two. Johnny Goodnow, the trap drummer, is coming with two base drums. Herb Ham, the show man, will be accompanied by Eddie Allen of New York City. Jack Hennessy expects to do the 100 in ten flat; he has not mentioned as yet just how flat. Mike Hogan has furnished definite proof of the value of an engineering education, for use in the army. Mike went so far as to get a special detail to Technology so as to be sitting on the steps waiting for the boys to arrive. Lieutenant Hogan is a very foxy boy. Fish Laird will be short-stopping again for the Course XV ball team. Sam Leland is a little put out at the over-emphasis being given to the rotundness of Mr. Hugh Shirey. There is a possibility that Sam may open up his own weight-guessing show. Ray Miskelly even went so far as to get a job in Plymouth. Ed O'Hearn of the O'Hearn Brothers has entered his name as a competitor in Mr. Shirey's contest as well as competitor in all other contests, lifting or otherwise. Dr. Jawn Strieder is bringing his instruments with him. Just what operations he intends conducting, the Committee has not been advised of as yet. Joe Ward will report "certain" features of the Reunion for the Boston papers. Wonder if Joe gets his expenses out of this. We hope so. And this is only a few.

New York will be represented by some of its most prominent citizens, Tommy Thomson, erstwhile Canadian bridegroom, D. R. Linsley, prominent banker, Dave Minton, of the New York Stock Exchange, George Holderness, Architect Extraordinaire for the Vanderbilts and others, Mac Mackenzie, eminent engineer, C. Ford Blanchard, the statistician, the Musical Lee Carroll, H. C. Gayley, formerly connected with the Copley Plaza — his connections there having resulted in considerable financial gain for Mr. Race's hostelry — he is now doing his best for Broadway. Bill Noyes, another good investment banker. Jack Teeter, the boy with the nut too hard for any Lehigh Valley Railroad wreck to crack. Among these many,

risers the famous Van Van Gieson — just what Van rises to say will be said at the Reunion — it is all very interesting if true.

All this leads us to believe that the classes that follow 1922 have to be expert climbers to reach the heights that will be attained by the Class of 1922 at this Fifth-Year Reunion.

It is now merely a question of where the management of the Mayflower Inn is going to put all of us. No doubt they are not worrying as much about that as they are about how much their 1927 dividend will be, and whether or not it will be a cash dividend, or whether they should declare something like a 40 per cent stock dividend and be in style.

In the meantime, let any of the prospective customers that have not filed their names as customers, do so immediately as the Committee wishes to be sure of having a place for each and every "paying guest." The capacity of the Mayflower Inn is 250. Of course, there is a certain amount of elasticity to any capacity, and we will stretch it to the limit. More of which later.

HENRY J. HORN, JR., *Traveling Secretary*,  
22 Center Street, Kingstown, Penna.

## COURSE II

The Reunion will be on us and all over us before we realize what is going on. The present period of inactivity among the Course members (only regarding letter writing, of course) merely is significant of the storm that is brewing. If Heinie's plans materialize, there will certainly be a rough sea on the Cape. But have no fears, my hearties, the good ship 1922 will steer a straight course. Why worry about the straight course? There are not any rocks around Mayflower Inn. We have one more issue of *The Review* before June. If any of the Course have any suggestions for stunts for the Class as a whole, or for Course II in particular, communicate them promptly to Eric or Heinie. Course II having the largest registration surely is going to have the heaviest representation at this Reunion. I know lots of fellows who are going to be there on crutches. They said they would be there even if they had to break a leg.

Louis Hill hits Titusville every so often, and the last time through he dropped a note about Issey Loss, who is traveling for the General Electric Company out of their Lynn, Mass., plant. Loss is working with turbo-blowers and was recently in Erie, Penna. Johnny Plimpton is released from quarantine and is selling more crushers than ever.

We will have a great re-hash of the last five years when we get together next summer, but don't save it all until then. Shoot it in now.

JOHN E. SALLAWAY, *Secretary*,  
Y. M. C. A., Titusville, Penna.

## COURSE IV

We wouldn't have let it happen for anything in the world, but it just couldn't be helped. What with the temporary defection of our constituency and certain personal activities requiring a great deal of time we were forced to close the Secretary's portfolio for the period covered by the last several issues of *The Review*, and to remain communicatively as dormant as the above mentioned constituency. However, unless the Salvation Army has been spreading a lot of bunk all of these years, a man may be down, but he is never out!

And so here we are again, doing business at the same old stand, and aiming to please as always. This time we have a choice assortment of reports about the old timers, gathered from both sides of the continent, and mostly true. In a way, anything which you read in our letter is guaranteed, which means that if you don't like it we agree to take it back. We furnish no affidavits, however, and every report must survive or perish according to the confidence which it inspires in the readers. Then read 'em and weep, Gentle Perusers, and on with the Guaranteed Talk, say we.

First of all, we are going to do a Conan Doyle for your special benefit, and produce clearly and unmistakably a voice which we thought must have passed to the Great Beyond, but which now emanates from beyond the Great Divide after a self-imposed silence of five years. Sink or swim, survive or perish, and so on, we have not only a report but a long letter from none other than our old friend, Vivien Devereux van Akin, in which she tells everything tellable and asks everything askable. It all came about this way. Out of a clear sky we received at Christmas time a card bearing, in addition to the conventional greetings of the season, a clever sketch of an Italian house with the address, 8828 Sunset Boulevard, Hollywood, Calif., and all signed by Viv. "Shades of the past," cried we, in an impromptu but wholehearted way, and forthwith set about to frame a letter to Viv, using such phrases as "sun-kissed slopes of the Sierras," and kindred ex-

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1922 Continued

pressions designed properly to voice our envy of any resident of a section which is at once so notorious and so favored by nature.

In reply we have received a letter of the kind which gladdens a Secretary's heart. Viv states, among other things, that she is practicing architecture in Hollywood with varying success, has built at least one house worthy of mention (now under construction in North Carolina), has seen Walt Church and his wife from time to time, and met Dave Minton while she was chasing her pup through a Beverly Hills street. Also that Don Parkinson is an eminent success as an architect, that houses are built for the most part out of paper and chicken wire in the Los Angeles territory, that her studio is all to the merry except when the rain comes down the chimney and puts out the fire, leaving everything damp and hopeless, and that "sun-kissed" and other expressions calculated to reflect glory on the Golden State are senseless and might be regarded collectively as a snare and a delusion. Viv waxes reminiscent about the good old days in Rogers when she and Frannie Day created a mild sensation by attempting to drag a harmless fag or so in the Common Room, and asks what has become of Emmy and Kimmy and Luther and Parrott and the gang of Southerners who used to shoot crap with her.

And in closing, she confides that the nouveau architecture which she recently saw in New York causes her no end of worry, and she fears that after all she, who used to have nothing nice to say about Dr. Cram for being a medievalist, actually belongs to the Renaissance. Thus, she philosophizes, do the rebels of a decade past become the harmless and old-fashioned of today.

Which comes up in considerably abridged form to our idea of what a letter to a Class Secretary ought to be. More power to Viv, and would that there were many more like her, even if only at five-year intervals.

In answer to Viv's queries about the old gang, we might say briefly that Emmy is working for Cross and Cross, Kimmy is here in the city, but with whom we know not, of Luther and Parrott we have heard nothing since graduation except that Parrott was for a time a student in the Beaux Arts in Paris, and Arthur Jones is in Florida. Marion Dimmock is flourishing the crayon for Arthur Loomis Harmon, lives at 293 West 12th Street, and at the present time is shorn of his erstwhile hirsute adornment, labial embellishment, infra-proboscian phenomenon, or what have you? Slick Schley is with York and Sawyer,

and belongs to Company K of the 107th Infantry, N. Y. N. G., which does such military drilling as the social demands on its members will permit. Slick states in unequivocal terms, however, that, although he finds considerable merit in crap-shooting as a general thing, he positively was not a party to the above-mentioned sessions in Rogers.

And before getting away from California we want to congratulate the firm of Schultz and Weaver on their happy selection of E. T. Heitschmidt, colloquially referred to as Chubby, to manage their San Francisco office. Chub lives at 1934 Hopkins Street, Berkeley, and we feel that we are speaking for the entire Class when we say that we are pretty gosh-durned proud of his recent advancement.

A shift now to the great McNary-Haugen sector discloses Ed Merrill, often referred to in these columns as the high-jumping fiddler, one jump ahead of us and situated in Chicago instead of in St. Paul, where we expected to find him. The soaring exponent of the resined catgut is now connected with Granger and Bollenbacher, 332 LaSalle Street, in "the city of the World's Greatest Newspaper, the Great Lakes Diversion, and Bert Weber," as he himself so comprehensively characterizes the metropolis of machine guns, race riots and packing house odors. Ed reports that he still enjoys the intimacy of I-beams and shop drawings, although taking sketch problems in the Chicago Architectural Club atelier, and assures us that his move to Chicago was not the by-product of his former employer's remark that "as an engineer he would make a damned good architect." We wish to add that we regard this a distinctly nasty crack by his former employer.

With which we return to more familiar ground, and come first to tell of the valiant deeds of Daring Dave Shotwell, one time Collector of Internal Revenue for the Architectural Society. Dave has flashed across the threshold of fame and fortune via *Pencil Points*, on whose pages he recently held forth with an article purporting to clear up the mystery which long has enshrouded the gentle art of mounting competition drawings. Professional jealousy to the contrary notwithstanding, we must say that Dave did well, and we shall expect to see the architectural press avail itself often of his sound experience and facile pen. Dave has left the Y. M. C. A., and is with a firm whose name we cannot recall at the moment (sounds like Upp and Adam), but what does it matter so long as he has every assurance of our highest personal regard and esteem?

And last, but by no means least, is the recent visit of Margie

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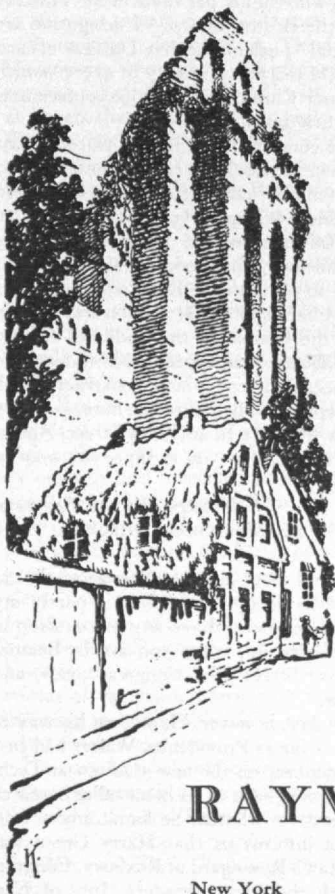
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1922 Continued

Pierce and Florence Stiles to New York, and it was great to see them again. These architecttes (if we may coin the term) dropped into town for a glimpse of the bright lights and a bit of metropolitan atmosphere with which to combat the provincialism of the Back Bay. Margie, who never reads our letters to *The Review*, but always enjoys hearing Florence tell about them, was sporting a lorgnette 'n everything, and we have it on the word of Slim Ellis, an eye-witness, that she cut a mean figure at the Architectural Show in Grand Central Palace. Both Margie and Florence looked prosperous and well-fed, which probably is not now the case if they carried out their intention of seeing "Rio Rita" on Saturday night.

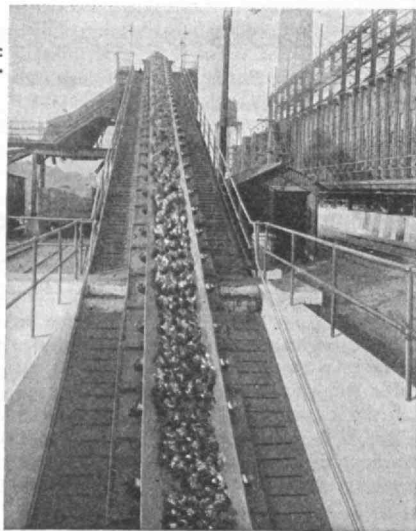
We are nearing the end of our story, but before the curtain is drawn we want to make passing reference to that grand and gala Reunion which is slated for this June. In case it has slipped your memory, this is the first Five Year get-together of the good Class of '22, and it deserves your last nickel if such an extreme is necessary to get you there. In the unforgettable words of that good old Methodist hymn, "When the roll is called up yonder, we'll be there," and we trust that you are the same.

GEORGE S. HOLDERNESS, *Secretary*,  
17 Gramercy Park, New York, N. Y.

## COURSES V AND X

From time to time during the past months we have been receiving hectic messages from Heinie Horn apropos the impending Reunion. He seems to feel that we have been slighting his correspondence. This is gross misrepresentation, and we wish to take this opportunity of pointing out to Mr. Horn that if there are others of his "customers," who seem to be bearish on affixing their signatures to the dotted line, the fault probably lies in the fact that the postal authorities have not yet heard of Kingston, Penna. We are offering this merely as a suggestion and are coming to the Reunion prepared to duck our head if Heinie shows any signs of indignation.

Our last contact, in fact the only one which we can recall having had during the past several months with any of our course-mates was, as you might suspect, with Dave Minton. Of course you have heard that Dave has been a family man these many months; so many months in fact that the very precious young lady who is going to carry on the



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Minton tradition has progressed from the Goo-Goo-Glub stage of conversation to Da-Da. We heard it ourself. It goes without saying, of course, that this young lady's efforts to carry on and maintain her father's social standards will be subjected to deletions essential to feminine discretion. This, you know, will be necessary. At the time of our last meeting, some two or three weeks ago, Dave and your correspondent came to a fairly definite conclusion that Boston and the 1922 Reunion would be included in our itinerary for this June.

We believe we told you the last time you heard from us that Os True paid a visit to Poughkeepsie, and at that time seemed in excellent health and spirits. We did our best to convince him that he should spend at least one night with us for the purpose of delving deeper into a few little matters of entertainment, toward which we took the preliminary steps in the hour he spent with us, but it was of no avail. Os had an appointment with his boss for that night and he seemed to feel that it was important. New times and new customs. We can easily remember the time when nothing in the world would have prevented his accepting our invitation for that particular type of research. Incidentally, Os at that time was toddling around the country in a nice, new, shiny Nash, which in our opinion is just another proof of his good taste and fine discrimination.

The time is drawing nigh for the long anticipated 1922 Reunion and there is every reason to believe that it will be a humdinger, the best that Technology has ever seen. The information which trickles through to this section is to the effect that the time and place committee have just about chosen June 17 as the time and the Mayflower Inn at Plymouth, Mass., as the place. We can hardly await the coming of the great day. In anticipation we feel toward it the same keen delight that we used to find in Christmas. Moreover, something tells us that the realization of the grand and glorious get-together is not going to be the least bit disappointing. So rally around, boys, and furnish us with your company over the week-end of June 17. That is all we ask.

S. PARKER MCCONNELL, *Secretary*,  
Tidewater Oil Sales Corp., Poughkeepsie, N. Y.

## COURSE VI

Technology luncheons at the University Club of Boston every Tuesday are very popular, as indicated by an attendance of thirty-five to forty-five. Everyone should make an effort to be present as often as possible. Course Six-ers who cannot get there every Tuesday will be interested to know that the Boston Course VI delegation are giving themselves an "extra special" push on the first Tuesday of each month, if not more frequently. On the first Tuesday of every month "pusha" yourself to the University Club, "pusha" your coursemates on the back, and "pusha" the lunch down.

All the news items which have come to my attention since the last blast of several months past follow. Joe Cook is a father, a nine-pound radio fan, Joseph, Jr., being born in February. After Joe becomes used to such happiness, the radio business will again be what it used to be. — Tom Williams recently stopped in to see me. It has been a long time since I have seen him, but he always has good news. This time it was the fact that he is planning to come to the Reunion. — Another tube has been added to Russ Hubbard's family set. A son was born in November. Congratulations of the Course to the Hubbard family. Russ is the Celotex Company of Boston and expects soon to leave for New Orleans, where he will be occupied with a large construction job for a few months. New Orleans papers and police, please note. — Larry Coddling has moved his bachelor quarters to 46 Jones Street, Apartment 203, Jersey City, N. J. If this reaches you in time, you may be able to get to the house warming.

FEARING PRATT, *Secretary*,  
120 Main Street, Hingham, Mass.

**'23** It seems as though I meet fewer and fewer of the old gang as the months go by. Perhaps it is partly my fault, but I would be glad to have any of you drop in to see me, or call me up, when you are in Boston. During the day I am at 50 Oliver Street (Tel. Congress 9900), and other times at the address below.

I did see Walter Zapolski, one day, however. He was on his way to New York and I rode with him as far as Providence. Walter had just finished up his job as resident engineer on the new stadium at Technology Field, Brookline, and was going back to his home office in search of more stadiums. I haven't heard yet whether he found any or not.

A note from Professor Locke informs us that Harry Green was married February 20 to Miss Ella C. Rosengard of Roxbury. Congratulations, Harry! Harry is with the Metal Traders, Inc. of New

1923 Continued

York. — *The Russian Student* for January has an article entitled "Thrill of Steel" by M. F. Yarotsky, III, in which he gives a brief résumé of the outlook for Russia's steel industries and urges Russia to prepare to develop her latent steel resources.

Another member of our Class has entered the teaching profession. L. L. Holmes is now an instructor in the College of Engineering and Commerce of the Municipal University of Akron, Ohio. — We have heard indirectly that Jerry Norman was married recently out in Seattle, Wash. Is this true, Jerry? If so, we offer our congratulations.

I am sorry that it is still impossible to give you any figures regarding the standing of our Class Athletic Fund; however, I hope to be able to do so next month. In the meantime, contributions will be gratefully received, and I would like to urge all of you who haven't as yet sent yours in to do so now before you forget it again.

ROBERT E. HENDRIE, *Secretary*,  
12 Newton Street, Cambridge, Mass.  
H. L. BOND, *Assistant Secretary*,  
40 Central Street, Boston, Mass.

## COURSE I

Some months have passed since Course I had a column in *The Review*, though our General Secretary has entered such items concerning the gang as have come to his attention. In an earlier issue he has explained the omission of the January notes and at the same time, given what may be construed as an explanation of the failure of your Secretary to supply them for the other issues.

As the dope for the January Review was ancient when it was sent in, and more so now, and as much of it was based on hearsay evidence, it is perhaps well to relegate it to the scrap heap and set forth whatever information of authentic and more recent origin may have come to our attention.

Not so long ago Bob mentioned the marriage of one Somerby R. Evans, more familiarly known as Spike. The details which Bob did not have we are fortunately able to supply, for there is in our possession a card announcing that said individual was married to Miss Joanna Johnson, in Hendersonville, N. C., on August 10 last. Further information exists to the effect that they are residing in Rising Sun, Md. From this, after lengthy slip stick evolutions, we are led to infer that Spike is on the Conowingo Dam project for Stone and Webster. Since Conowingo lies at no great distance from Washington, we hope to offer our sincere congratulations in person.

Journeying northward at Thanksgiving time we ran into Art Davenport, from whom we gleaned enough information to supply another paragraph. Art is still with his first love, Stone and Webster, and avers that he has no other (as yet). He seems to be driving around Virginia and North Carolina, enjoying the scenery and working spasmodically. His headquarters are in Richmond, where Arne Ronka, last reported with Spike in Beaumont, Texas, presides with much dignity over the office force. At least that is what a self-respecting office engineer should do. In Chile, where we served in a similar capacity for a time, we presided, minus the dignity, over an office force that was not, and did little else. Consequently we envy Ronka his job. Art Stuckey, with the same firm, is located in Norfolk on a power plant job. When he tires of the climate there, which, we are told, is a bit mouldy, we hope he will take the night boat to visit us in Washington, and find a worse one.

Of late our quarters in K Street, once so quiet, have broadcast sounds of revelry upon the evening air. For we are now sharing them with no less person than William Salem LaLonde, Jr., he who parked by our side and furnished us amusement in heat lectures in bygone years. When last accounted for Bill was teaching at the University of Nebraska. After one semester he concluded that corn feeding did not produce the cerebral qualities necessary for embryonic engineers, and gave it up as a bad job and came to Washington to help us locate bridge piers. Now we playfully disport ourselves along the banks and on the muddy waters of the Potomac during the day, carefully tie down our piers each night, express our hope that they will still be in the same place in the morning and betake ourselves homeward to swap bull stories of the years intervening since graduation. Verily 'tis an interesting and enjoyable life — and if Bill would pipe down perhaps I could finish these notes.

One day last fall, while inspecting the rock bottom of a cofferdam, we were pleasantly surprised to see Captain Harris Jones coming down the ladder. He and Teale have been with the Eighth Mounted Engineers at Fort Bliss since graduation. Jones is now in Washington with the Bureau of Public Buildings and Public Parks, while Teale is in St. Louis on the Mississippi River work. Kittrell is reported to be still on

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1923 Continued

duty in Hawaii. Major Covell continues in his duties as assistant engineer to the District Commissioners in Washington.

Our visits to Boston usually synchronize with those of Alec Stewart, the bird who once collaborated with us in the preparation of a somewhat mouldy thesis. On these trips we frequently get together for a general discussion of all things from soup to nuts. Alec is engineer for H. P. Converse and Company, on the pier job in New York where I spent some weeks last spring.

A Christmas card from Mal Naughton brought news of prime interest, for it bore the announcement of the arrival of Mal Jr. We extend our hearty congratulations and trust, as is meet and proper, that the second edition will be even better than the first. — Another card from Ollie Hooper indicated his return to the New York office of J. G. White. A call there last spring elicited the information that Ollie was on a field job in Mexico. How was the mescal, Ollie?

Bill saw Sailor Dresel in San Francisco last summer and reports that he is prospering in the insurance game. The Sailor told Bill to pass the word on to us that being newly married was not conducive to letter writing. We are beginning to understand — and yet we continue to hope for news from him for the lad's mastery of language lent much to this column when he collaborated in its preparation. Bob Hendrie writes that Walter Zapolski, having finished the stadium on the old Technology Field in Brookline, has recently returned to the New York office of Gavin Hadden. He will doubtless be found at the Technology Club, where we spent many pleasant evenings with him a year ago. At that time he told us that Joe Nowell was on a sugar refinery job for Stone and Webster in Brooklyn.

Our lines seems to be running a bit low. Moreover, further aimless peckings and tintinnabulations of our much abused and very noisy typewriter may disturb the somnolence of Señor LaLonde. To eliminate the mental effort on our part requisite for the invention of further "news," and to prevent the unpleasant and disconcerting whizzing of old shoes about our ears, we will therefore sign off until the next (or should we say some future) issue. During the interim we would like to hear from all those long silent ones whose comings and goings are not correctly or incorrectly reported above.

J. M. ROBBINS, *Secretary*,  
1736 K Street, N. W., Washington, D. C.



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## COURSE V

The Course Secretary cannot resist the temptation and is indeed proud to broadcast the fact that he became the father of a husky son, January 30. So Bill Gallup needn't feel too high hat from now on.

I know the boys will be glad to hear that Dr. Charlie Moore of Zurich, Switzerland, fame, is about to take unto himself a wife. The lucky girl is Miss Julia Porter Allmond.

Here is an interesting letter from B. O. Stewart, now way down in the wilds of Cuba: "With the first five-year Reunion of the Class of 1923 only a little more than a year away, I feel the urge to write to you to ask if you have any advance news on the subject. We are looking forward to our first visit to Technology since my graduation with much pleasure. I am not exercising editorial license when I say 'we,' but merely stating that I shall not make the pilgrimage alone. On the sixteenth of June, 1925, I was married to Jewel Elizabeth Byrd at her home in Ellisville, Miss.

"The last statement in the above paragraph contains the most important bit of news that I have to relate to you as Secretary of the Course V. To continue briefly with a résumé of the course which I have followed since graduating from dear Technology, I may say that said course has been generously augmented with electives, and while not overly productive in this world's good, great freedom has been afforded for the exercise of individual expression, and on the whole, the course has proven to be very interesting and I might add, satisfactory.

"To be more explicit, I spent my first year as a bread earner, in the offices of the Punta Alegre Sugar Company in New York City. While there I saw a lot of Harry Nanejian, who was then with the Egyptian Lacquer Company of Newark. I recall one very pleasant visit with that long drink of water, Center, who used to let his lights so shine that they wouldn't fade his dyes. I saw Charlie Roche some, too, as well as Archie Williams who might have been a famous chemist if it hadn't been for the heavy-metal group. Too much H<sub>2</sub>S for Archie. I'd sure be glad to hear from those fellows and you, too, Danny. If you have any dope on them, please send it down to me. Before I sign off I had better tell you what else has happened to me. I left New York late in 1924 for Cuba, where I began work with the Florida Sugar Company which is just one of the units of the Punta Alegre group. I worked as a bench chemist for the first 'crop,' but dropped that branch of the industry to start in the agricultural department. I am now a superintendent of a cane zone, which position imposes upon me the duty primarily of seeing to it that the sugar mill doesn't throw good money after bad in financing the cane crops of the Cuban farmers, who supply the mill with cane. My most interesting work right now, however, is a test of the efficiency and economy of gasoline tractors with 'caterpillar' carts for the hauling of the sugar cane from the fields to the loading stations. Practically all the cane in Cuba is hauled by oxen yoked to a great lumbering two-wheeled cart. These carts are very slow and almost useless in muddy ground. The equipment which I am working with has the obvious advantages of speed and continuous service, and possibilities of greater economy in cane-hauling costs. This work is almost pioneering and I am finding it very interesting. The mill that I am working for grinds over 700,000 tons of cane during the season, and this is all hauled by 'bull carts,' except for the 20,000 tons which I hope to be able to haul this season. I am the only one in this part of the province who is hauling with tractors this year, but I think it will be only a matter of a few years before a great many mills and farmers will be using them. . . ."

Say, B. O., old top, this is to let you know that we have no objection to your sending a half a "bull cart" of your finished product to us at your earliest convenience. So don't lose the Course Secretary's address.

E. J. DANEHY, *Secretary*,  
37 Yerxa Road, Cambridge, Mass.

## COURSE I

'24 All praises be — another has answered yes when the roll was called. None other than J. Edwin Jagger, writing on the letterhead of Robert L. Totten, Inc., consulting engineers in that city famous as the home of Midnight Pictures, Inc. — in other words, Bummingham. Readers of my previous articles will remember that I specifically charged Ed to report on his progress, or retrogression, in the affairs of the heart, it being well known that in June 1924 he headed southwards primarily to look after his personal affairs and secondarily to practice engineering. In regard to this phase of his recent life he writes, "I have only this to say — not yet, but soon. April, in fact! [Secretarial note: the exclamation marks are Ed's. He seems all pepped up about it.] Margaret Ingram of this city is the one who claims she will be the new



1924 Continued

boss. All engineers' wives will please refrain from sending any expressions of sympathy. Margaret is quite determined to take the step." After graduation, Ed joined the Stone and Webster's forces on the Bartlett's Ferry job in Columbus, Ga. Upon completion of that project he made his present connection in Birmingham. The firm is engaged chiefly in municipal engineering. At present Ed is engaged on a water supply and paving project in the town of Opelika, Ala. From there he expects to go to York, Ala., and he issues an invitation to all course-mates passing through that metropolis to drop in on him. Your Secretary, in his present climatic conditions, cannot refrain from quoting an additional paragraph as follows: "I wonder if any of you have the queer idea that those of us in Alabama are basking daily in the balmy weather of the so-called sunny South? Please allow me to inform you that our paver has not budged one inch for four days, not will it for four more unless the thermometer creeps above thirty. When folks refer to the sunny South they speak either of Ran Giles' part of the country or of peoples' dispositions, or of the summertime! It snowed here day before yesterday, and has been below freezing for nearly a week." Another good Yankee gone wrong! And further, "I see Ambach, Joe Lockwood and Doug Elliot whenever I am in Birmingham. They are quite the mainstays of the Alabama Power Company."

I had a letter from Russ Ambach the other day telling of his work in the fixed-costs department of the Alabama Power Company. His work in that department has enabled him to make a complete survey of all the properties of the company. Too bad those of us who took Option 3 couldn't have had a chance at something like that when hydro plants existed in textbooks only.

To date, February 16, I have not heard from Dick Eaton, Larry Feagin or Bert Read. I still have hopes. Now for new assignments. Al Black is to let me know if the Florida land sharks got him. Admiral Kujo is to inform me as to the possibilities of canoe trips on the Delaware. Smoke McWilliams is to write a discourse on how it feels to be President of the Shamokin Water Company. Hop to it, boys!

J. D. FITCH, Secretary,  
Charles T. Main, Inc., Great Falls, Mont.

## COURSE VI

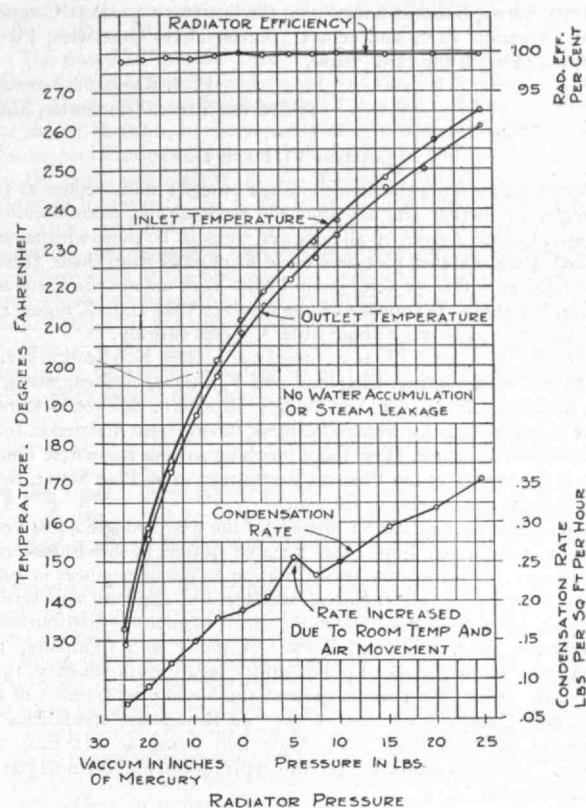
For this issue of The Review we should have a little story entitled "Why All Technology Men Should Be Required to Take a Course in Report Writing," with special emphasis on how to make a Course VI man write one to his Course Secretary. However, four years is a short time in which to drive home such a point, and as a substitute we suggest that you follow the instructions in the last few lines of today's news. There should be no exceptions.

In order to get a little news, the Course Secretary took a jaunt down to Hartford some weeks ago, and was rewarded with a very pleasant evening — and an equally pleasant meal at the home of Bump Brown and Mrs. Brown. Sam Hatfield also tore himself from the fireside long enough to come across the street for a game of bridge. Bump is now located at 20 Frederick Street, Hartford, while Sam is down the street at number nine.

A phone call from Matt Nash also helped out since the last notes appeared. Matt was in Boston over a week-end, and was on his way back to Poughkeepsie, where he may be found at 153 Mansion Street. He is with the local power and light company and reports that Marshall Waterman has joined the same company. — Terry Latham turned up a few weeks ago with the announcement that he is sales engineer for Curtis Lighting, Inc. He has spent some time with them in Chicago, and may now be found at 140 Summer Street, Boston. When last seen he was on the way to sell to the Institute the idea that the dome of Building 10 was inadequately lighted, and that Curtis, Inc., should remedy the condition. Whether he figured it was time for Doc Tyler to put on another publicity stunt and try to do his stuff on snowshoes on the dome at night, or whether it was so the dorm boys could find their way out of Boston at night, Terry couldn't say.

Red MacNaught again crashes through as a news getter. He reports that Herb Stewart was in town this winter and that they got together for an evening. Also that Doc Cook has been heard from in the form of a Christmas card mailed somewhere in Florida. Mac has a hunch that Doc is a radio magnate in the cyclone state.

An old newspaper adage is that each edition should somewhere contain the name of every reader. That should also apply to The Review, but it is up to the readers to loosen up with some news. The plan mentioned in the first paragraph is this. The first quarter of Course VI, or those whose names are from A to H on the roll, are expected to be heard from before the next notes go to press. If you are out of Boston,



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1924 Continued

sit down now and write at least your name and address. If you are in the city during business hours, give the Secretary a call at Congress 9900, extension 1272, and report yourself alive. Otherwise, I'll be tempted to mark the card "dead."

F. A. BARRETT, *Secretary*,  
19 Stevens Street, Winchester, Mass.

#### COURSES VIII AND IX

A request for news this month hasn't brought many replies as yet. I might go further and say that the response has been decidedly meager. I haven't given up all hope yet, though. To those who haven't replied, I add another plea here for a bit of news from them. It isn't very hard to find some news around New York among the Class as a whole, but these are supposed to be Courses VIII and IX notes, and it is not so good to write about other Courses entirely.

First for the Course IX news comes a note from Bob Seddon saying that he is with Waring, Chapman and Farquhar, civil engineers, at 874 Broadway, New York, and living in Brooklyn. Bob seems to have gone in heavily for this woman business, having been married in 1924, and has one daughter. How about lunching with us some first Thursday in the month at the Planters Restaurant at 66 Pine Street, Bob? The boys would be glad to see you.

John Lewis summarizes his history for the past two and a half years thusly: "Graduated June 1924. Entered Staten Island Engineering Corporation at Livingston Steam Station as junior engineer in June, 1924. After being test engineer, architectural engineer and service engineer, I was made assistant to the superintendent of distribution in September, 1925. I entered Tucker Anthony and Company, 120 Broadway, as distributor of public utility securities in January, 1926, and, after selling for a while, entered the buying department of the Guaranty Company of New York, 140 Broadway, specializing in financing public utilities. Still single and living at 112 East 73d Street." Thanks a lot for the prompt reply, John, and ditto to you on the luncheons.

Bill Robinson told me that Chick Kane has been over to New York all one recent week, at the General Electric plant in Harrison, N. J. Sorry to miss seeing him, but hope he will find time to write and give a

more complete account of his activities than the bits of news I've had from time to time.

The Secretary has had a couple of letters from other Course members and, as they may be of general interest, I'll quote in part. The first is from Stringer Sinnicks, X, written from 501 Liberty Bank Building, Eureka, Calif. "I left Scales, Calif., in July 1925, to come over to Humboldt County to learn the timber business. I was sent out head chaining on a survey job, supposed to last two weeks. Inside of a week I was running the gun and also the crew, and the job lasted exactly five months. All of this gave me a pretty good knowledge of land surveying and the folly of looking for corners where these old-time crooked surveyors did the original job. I spent most of the winter in San Francisco, drafting and getting field notes in shape for the summer's work. I came back up here in March and went right out running compass for a cruiser. Then I went up on the Klamath River into the wilderness. No roads in the country and few trails. About ninety-nine per cent of the inhabitants are Indians—I can talk Siwash pretty well now. I spent all summer up there, surveying, cruising, mapping and fooling generally. So now I guess I am hopelessly qualified for a 'timber beast.' Give me a nice rainy day, a pair of tin pants and three or four miles of huckleberry brush to crawl through and somebody to crab about the weather to, and I can get along in first class shape. Have also been off on several mine examination trips into Arizona, Nevada and Oregon, so I've seen quite a bit of this country. California has them all stopped, though.

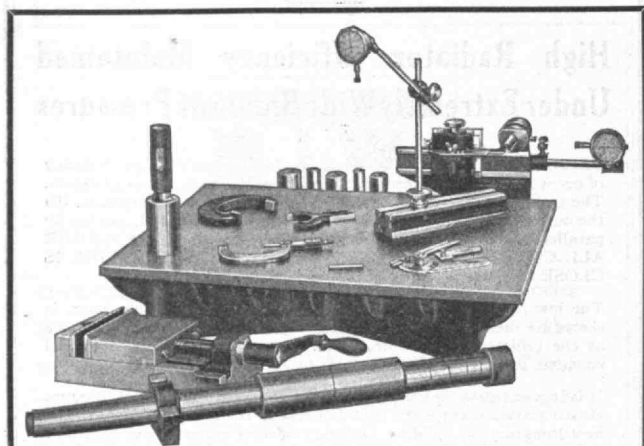
"Scoop Reinhardt arrived in San Francisco last summer with his wife, en route to Hawaii. Same old Scoop. I was down to San Francisco for the holidays and hadn't been there more than an hour when I ran into Henry Chippendale, II, Class of '25. Chip and I staged a little reunion, recalling the old days spent in Nichols. Then I got word from Ed McArdle, V, that he was working up in Pittsburgh, where I first hung out when I came out here. So he and Chip and I met in the city on New Year's night and staged another session. I checked out for the wilds the next day, and here I am doing some topographical mapping, which is pretty soft. Give my regards to any of the gang you run into." After that letter New York doesn't seem such a bad place after all.

And the other letter of the month breaks the long gap of silence from Shorty Manning, II. The letter in part follows: "Here goes my first good resolution of the New Year. It's taken me a year to complete it, but here it is. Honestly, if there has been anyone busier than I have been, I'd like to make his acquaintance. Just to give you a line on what I have been doing: (a) Married in August, 1925. (b) Settled in apartment in Detroit, having just moved up from Dayton, Ohio. (c) Transferred to Flint, Mich., where I put in four heart-breaking months on the present Buick crankshaft—all day and all night, Sundays and holidays, and lived in a hotel. (d) Back to Detroit expecting a sort of let-up. Moved into a duplex apartment with green grass and plenty of fresh air all around, and made motions like I was settled for a while. (e) Three months after was offered a chance to come up here to Pontiac on some special work. Could not pass it up, so here I am." It was less than a month later that I received another envelope addressed by the same hand, which turned out to be the announcement of the arrival of William Waddell Manning on February 1.

The chief item of news around New York of late was, of course, the Tech Show performance, on February 3, at Mecca Temple. Twenty-four was well represented with some twenty or twenty-five members attending. As I remember, they were in part Robinson, Shea, Cardinal, Quarles, Holt, Lassiter, DiSomma, Brown, Correale, Coleman, Stretch Johnson, Joffe, Gruengerg, Weatherly, Schneider, Prouty, Lambert and Simonton. Some of the gang who were dragging got together for dinner before the show, and six of us bachelors staged a dinner in the Village before hand, followed by a wild taxi ride in one cab up-town. Bill Robinson, as usual, was on his feet at all opportune moments to lead the Class cheer and a regular M. I. T. for the Show at the close of the performance. There was also a rather feeble attempt at some of the old Technology songs which didn't go so well. At any rate, there was no doubt about '24 being represented at the Show. The dance afterwards was a good party. Whether or not the Show was a success financially, there was no doubt of its being a success socially.

The gang around New York still has the monthly luncheon at 66 Pine Street on the second floor, the first Thursday, and anyone dropping in is sure of a welcome. If anyone in Courses VII or IX takes offense at the decidedly greater proportion of news from other Courses, we may suggest that theirs is the remedy.

GEORGE W. KNIGHT, *Secretary*,  
214 Prospect Street, East Orange, N. J.



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1924 Continued

## COURSE X

One week-end during the first part of November an industrious member of this Course went a-motoring up through the State of Connecticut, but he didn't go alone. At 3.30 A.M. they were in Greenwich, where they were married. We distinctly remember that night for it was the night of the heaviest rains we have had. From the information we have, it is pretty hard to tell whether the rain had anything to do with this elopement or not. Most likely they didn't know it was raining. With our own eyes we have seen Mrs. Schneider and we think that Sam is mighty fortunate, for she certainly is nice. Congratulations from all the old gang to you, Sam; 'twas a good job, well done. Miss Eleanor Rieger of Brooklyn is now Sam's wife. He is working in New York, and they have made their home there.

Here is some more news which I am mighty happy to be able to tell you. Miss Marion Hartley and Sargent Heath have announced their engagement. This was announced before Christmas and we were certainly glad to hear of it. We wonder how many readers of this realize that Sarg was the strongest man in the Class of 1924. We found that out ourself once on a wrestling mat. He is superintendent of a worsted mill at Mapleville, R. I., and is living in Harrisville, R. I. Wonder what his old inseparable roommate, Phil McGrath, thinks of all this. By the way, does anyone know where Phil is? Our letters to him have been returned.

Good old Bunker Hill is engaged too. The very first minute of this year Miss Kathleen M. Snow's engagement to Warren Hill was announced at Rockland, Maine. Warren is working with the Rockland and Rockport Lime Company in Rockland. Miss Kathleen Snow is the town librarian there. Our best wishes, Warren, old man. Hill is a member of an interesting organization called the Forty Club. As far as we are able to find out it is the only club of its kind in the world. Write to the Course Secretary for full information concerning this club.

Raymond Paul Schreiber (good old Pat) is engaged to Miss Edna E. Hunnewell of Stoneham, Mass. This was announced on Christmas and, Pat, it certainly was good news to all of us. Miss Hunnewell is a teacher at Stoneham but her home is in Cambridge. Pat always did seem pretty happy while he was at the Institute, and I guess we know the reason now. He is now in Akron, Ohio, with the Goodyear Tire and Rubber Company, where he has been since June, 1924. At the start he was compounding rubber, next he was doing research on fabric. Now his line of work is safety, which is in connection with accident prevention and workmen's state compensation. There is a lot of work to be done along those lines, and we are mighty glad to hear that an engineer is getting in on it. We can't think of any profession which could handle this better than engineers. Pat says that there are about forty men out in Akron from Technology, and that they have a lively Club.

Merkelson is working with his dad in real estate and studying law at Northeastern. — Wharton and Hap Stern are at the Suffolk Law School. Wharton is still in patent work. Hap Stern took a crack at highway engineering, but he is now engaged in protection underwriting and insurance. Stern tells us that Rabkin is married. We will have the inside dope on this for the next issue. Order your copies now. — Hood Worthington sent us a fine letter. He is still with du Pont. He has just been changed from the night shift and for that offers his praises to Allah. At the present a mess of esters is keeping him in the laboratory. Occasionally he takes an afternoon shift and he has been setting up stills.

WILLIAM B. COLEMAN, *Secretary*.  
40 Morningside Avenue, New York, N. Y.

## COURSE XV

Our Course had an excellent representation at the Annual Alumni Dinner, held in Boston, January 15. Gordon Wayne, Carl Bartow, Frank Shaw, Ray Lehrer and your Secretary formed the nucleus of the group of fourteen 1924 men present. The affair was enjoyable largely for the opportunity presented to meet friends and acquaintances.

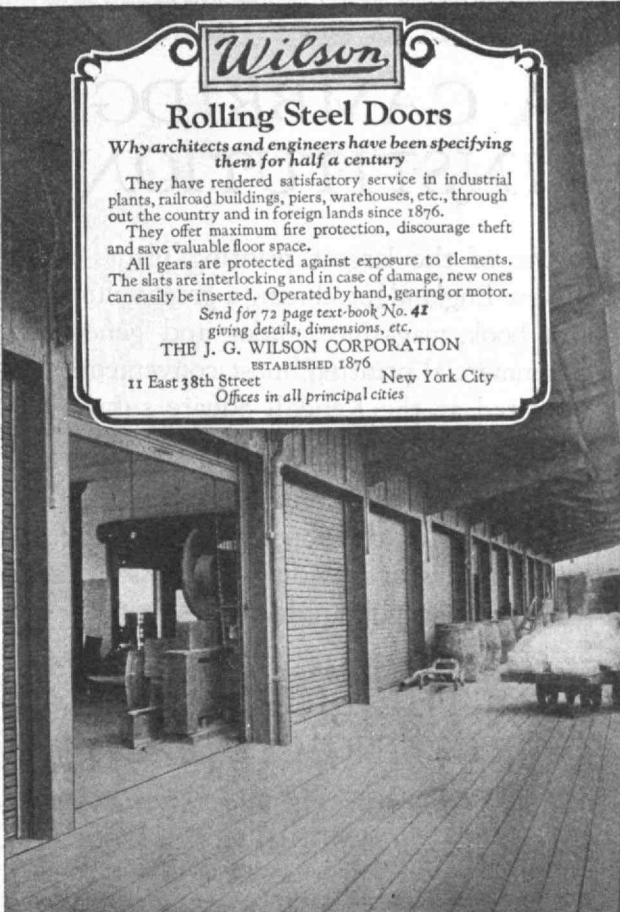
Fritz Gemmer is in town for the Auto Show, and although we have not had the pleasure of seeing him we understand he is well and enjoying his work with the Marmon Company. — We have seen Paul Plampied several times. He is now an assistant buyer for the Gilchrist Company, Boston. — Blay Atherton has left the Jordan-Marsh Company and is selling insurance in Nashua, N. H., his old home town. — Bill Rowe is now assistant sales manager for the Chilton Pen Company at 70 Franklin Street, Boston. We have had the pleasure of seeing several of our classmates from other Courses — Chick Kane and Mal McNaught, VI, are located in Boston; Latham, VI, is on here from the West; Bert Stewart we met in Worcester not so long ago, and

had a chance for a few words with him; Dick Holt, XV, is now in the power department of the main offices of the Charles H. Tenney Company on Devonshire Street.

This month's "Success Article" is from Dusty Rhodes, who penned his missive from the abysmal depths of 98 Hillside Avenue, Englewood, N. J. Dusty writes, "Believing that I was not fulfilling my ambition or aim in business, in the capacity of syndicate manager for Halsey Stuart and Company in New York, I resigned and took up my duties in the bond department of the Prudential Insurance Company of America, in Newark, N. J. In the bond department of an insurance company, as you know, there is the work of investing the evergrowing incoming premiums that are paid in. This money must be wisely and safely invested at the best possible yield, and subject to state regulation which defines what kind of securities an insurance company may buy. The job of the department is to find, analyze and purchase securities at a rate equal to the amount of money the company is receiving in premiums. The real estate mortgage department does the same thing except that they lend on property. . . ."

JOHN O. HOLDEN, *Secretary*,  
110 Monroe Road, Quincy, Mass.

'25 February seems to have been a month of departures and arrivals; Robichau and Jerry Miller doing the former and Frank Fricker the latter. Robie finished all the work that Stone and Webster had for him around here, so he was transferred back to the Boston office. Now I am minus a good roommate, a bridge partner who was a mind reader, and my right-hand man in arranging for Class dinners. Don Wheeler is filling the first vacancy, but I am still trying to find someone for the other two. Jerry had the good fortune to be sent to China; at least he thought it was. The present disturbances there didn't seem to worry him at all. Some time ago Jerry was expecting to be sent to Poland to install some machinery for his company, the United States Machinery Company. For at least a month he was studying German, reading German technical magazines, and trying to learn something about Poland. Almost all of us took part in the reading of the magazines, most of us also finding out that we had forgotten how to read



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1925 Continued

the language with any degree of certainty! When he found he was going to China instead of Poland, he didn't appear with the Chinese primer which we had expected.

Frank Fricker came up from Baltimore just in time to attend the Class dinner. Having obtained a position with the Ethyl Gas Corporation, he came to New York for a short period of instruction before leaving for the Middle West, where his work is going to be. Frank, Don Fife, '24, and I went to the track meet at the Madison Square Garden when Sabin Carr of Yale broke the indoor pole vault record. At the same meet we also saw George Leness, '26, run a good half mile as anchor on the N. Y. A. C. two-mile relay team. We hoped to get some more of the cross-country team together, talk over old times, and sing the song about Nero which was so popular the year we were at camp in Wolfeborough. Unfortunately, we didn't get around to sing, which was probably a relief to the Technology Club.

The following comes from Professor Locke. The friends of J. L. Maury, '25, were very much surprised at the announcement of his marriage just before Christmas. His bride was Miss Margaret Humiston of Chicago, the daughter of C. E. Humiston, Professor of Surgery at the University of Illinois. She herself was a graduate of the University of Chicago, having spent two years in the study of bacteriology. She came to Butte last summer, and although it was not suspected by any of his friends, apparently Maury was quickly hit by Cupid's dart, but his wooing was done in such a quiet way that no one suspected what was going on, and the couple were even married before any one knew it. Maury is still working for the Anaconda Company, and he and Mrs. Maury are making their home in Butte.

Our February dinner was the best we have ever had, the reason being that we had a dinner dance at the Troubadour Tavern. We were fortunate in having a private dining room, an excellent steak dinner, and a good orchestra. The following were present, accompanied by their fair ladies: Don Wheeler, Arnie Marshall, Roger Parkinson, Roger Ward, Possiel, Milt Salzman, Charlie Giblin, Ed Kerns, Paul Hess, Frank Fricker, Howard Cyr, and myself. Whit Ashbridge came around as a stag, enlivening the evening considerably by his presence.

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Horace E. Weihmiller has resigned his job as Secretary for Course IX, because he finds he is unable to give enough time to the work of getting Course news together. I'm sorry to lose him, and hope I can find somebody else with more time, and as much interest in the work as Weihmiller had. — Milt Salzman couldn't find a costume for a masquerade which he went to recently, so put on his best clothes, and manners, thus disguising himself as a gentleman!

FRANK W. PRESTON, *Secretary*.  
17 Gramercy Park, New York, N. Y.

#### COURSE I

It was mighty fine while it lasted, but it was too good to last. The glorious outburst of news letterwriting ended a month ago, when I received a letter from Lucas just a day too late to be included in the last issue. Here it is:

"I am teaching, and it is in the Junior High School of my own town of Reading. I have charge of all the physical training and coaching for the boys and one class in mathematics besides, to take up my spare periods. I enjoy school very much and don't believe I'll ever go back to engineering. Nevertheless, I sometimes look longingly at my Carnegie tables and slide rule which lie in disuse in my desk. But old habits will never entirely die, so when I have an example to correct that the class has just done, I find myself turning to the slipstick if it is handy and the figures are not too simple to require it.

"Last summer for a while I was with Sherman working for Metcalf and Eddy in Quincy, Mass., as an inspector on pipe laying and concrete work."

Just before I left New York I wrote a letter to Ken Prescott which I had owed to him since last October, and he crashes right back with an answer almost before the ink on the stamp cancellation is dry. I like to quote these long letters because it makes this job a lot easier.

I suppose that most of you know that Ken is working for the Massachusetts State Highway Division and is located out around Pittsfield.

While I was crossing State Street the other morning on my way to work I heard, "Well, when did you get back?" It was Ed Cousins, assistant engineer in the inspection department of the Associated Factory Mutual Fire Insurance Companies, according to the card which he gave me so that I could remember the name of the company long enough to enter it in the records. Ed is fine, and said that everything was just the same with him. Upon being quizzed for news he said that when last heard from, Conkey was in California, having obtained a two months' leave of absence from the American Bridge Company so that he could go home.

Since around last Thanksgiving I have been expecting my job to break up almost any time but it was not until last Friday, February 11, that I took a last fond look at the sugar refinery and pulled up stakes. Now I am back again in Stone and Webster's Boston office and living at home in Beverly. I miss the boys at the Technology Club, but then, there's no place like home. For work I am doing a little bit of everything that is generally done in the drafting office. From now on, however, it will be mostly power plants instead of sugar refineries.

HAROLD V. ROBICHAU, *Secretary*,  
28 Bow Street, Beverly, Mass.

#### COURSE II

Well, gang, I have a letter here that starts out like this: "Occasionally as I look over the Class notes in The Review I begin to wonder if some of the boys don't feel a little guilty when they note the lack of real news in some of the Class notes." I wonder, too, and besides feeling guilty, I wish they would feel like writing. Lloyd Irving, who wrote the above, being more optimistic than I, suggests that perhaps the fellows would write if I gave them formal assignments. The following is Lloyd's proposed first assignment:

(1) Bobbie Dietzold is to tell what he is doing in and around New Haven — or such news as he deems printable. (2) From Toni Lauria is demanded an explanation as to just how he got transferred to Baltimore, Irene's home town. (3) Wade Johnson and Jimmie Holland are given a joint assignment, it being a confession of their latest sins.

Lloyd evidently felt a little guilty himself, and gave me some indication as to just what he was doing. He is out on the Pacific coast dispensing service and improving mileage conditions on bus fleets equipped with Goodyear tires.

I hope you don't think that a Secretary's life is an altogether unhappy one. There was at least one bright spot this last month — a letter from

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what Kametani calls the Land of Cherry Blossoms and the Rising Sun. Kamn hints that he knew too much of Scollay Square, Back Bay and Columbus Avenue, to forget Boston very readily. In fact, he finds himself rather a stranger in Tokyo. He continues, however, with: "I found Tokyo just as good as any other place. In the shopping district all sorts of people promenade. I was surprised to see many American-styled Tokyo flappers. Yes, Mr. Secretary, they have bobbed hair, short skirts, silk stockings and plenty of rouge. We see Americans almost any place, but they are usually middle-aged — not many young fellows. Traveling is fine here. At every big station I could just stick my head out of the window and hollo for a bottle of sake to drink on the train, and they all do it. In the diner the first thing the waiter asked me was whether or not I wanted whiskey, wine, sake or beer. Naturally I paid no attention, as I came directly from the land of the dry. They are cheap, too.

"I got into the Real Estate Department of the Mitsui Gomei Kaisha. Of course every one knows that Dr. Dan, '78, is general manager of all Mitsui interests. Our Department takes care of lands and buildings. At present we are building a skyscraper in the center of the business district. James Steward Company of New York is the manager of construction and has about fifteen American engineers working here now. I am at the job office and do everything from taking them down to the barbers and interpreting them to tracing, designing and inspecting with an American mechanical engineer. We are using a Bucyrus steam shovel, Lackawanna Arch-Web sheet piles driven with a McKiernan Pile Hammer. We are now waterproofing all concrete surfaces, and soon steel beams will be erected. Granite work is in full swing. When our Mitsui building is completed (by the end of 1928) it will be the finest office building in the Orient.

"Now about my getting married. Yes, Mr. Secretary, I married last May, and we are still happy. No, we have no baby yet, and we don't know when we shall have one either." With that as a parting shot Kamn says he hopes you will all write to him in care of Mitsui Gomei Kaisha, Tokyo, Japan.

That seems to be all for this evening, but next time, at least, I shall have news from Messrs. Dietzold, Lauria, Johnson and Holland.

ROGER WARD, *Secretary*,  
17 Ash Street, Garden City, Long Island, N. Y.

## COURSE VI-A

Due to the successful adoption of Art Samuel's brilliant idea of a round robin letter from Group B and the inclusion of myself on its mailing list, I have very excellent information regarding the occupational, home and official love life of the members of that excellent group. However, my knowledge of Group A is more or less adventitious. I have tried to give enough information about each man so that a letter may be intelligently addressed to him. Letters requesting further information or volunteering further facts will be joyously welcomed and a promise is given to answer each of such letters within forty-eight hours.

The General Electric Company has been fortunate enough to get eight of the leading members of our Class. George Conway is in Pittsfield accumulating the knowledge and strategy of a successful transformer sales engineer. George Kohfeldt is at the Erie works, but I do not know which department he is in. Steve Freeman handles service and complaints in the Boston district office. Lynne Wetherill and Jim Woodward are in the Schenectady works. Ed Lynch and Kurt Lindquist are in the motor and instrument engineering department of the West Lynn Works, while Bud Newman is making a survey of the piece-work system at the River works in Lynn. I understand that the work in Lynn is very interesting, but then it should be, because one is more apt to envy their nearness to Boston than their presence in Lynn. However, I will frankly admit I am prejudiced since all my time in Lynn was in the machine shop of 3d-40.

The telephone companies have been equally successful in securing the services of members of the Class, and most of the men are very enthusiastic about their work. When one asks them how their work is coming along, they get out odd pieces of paper and old letters and show one! Dwight Alpern and Walt Roper are with the New York Telephone Company. Dwight is in toll transmission and extension, while Walt has the imposing title of staff statistician. By the way, Walt is engaged to Miss Eichel whom, I am sure, we had the pleasure of meeting last year. John Handy, Al Stolte and Herb Lafler are also with the New York Telephone Company but I do not know which particular department they are in.

Doug Donald and Richard Booth are with the American Tel. and Tel. Co., New York. Doug is in the long lines department. I under-



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stand that this should be taken in a literal and not figurative sense. Henry Williams, George Gross and Ed Patten took special training courses with the Chesapeake and Potomac Tel. Co. I note that Henry is now in Commerce, Ga., and that George is at 916 East North Avenue, Baltimore. I have not Patt's address, but I understand he is also in Baltimore. I have Jake Peck's address but do not know what he is at present doing. He is at 2,000 South Sixth Street, Terre Haute, Ind. A card telling of his affairs would be greatly appreciated.

The last heard of Jim Finley was that he had recovered from an attack of the mumps and was resting at 28 22d Street, Jackson Heights, N. Y. Al Rokicki, after a brief sojourn with Stone and Webster, left for Ponce, Porto Rico, where he is assistant superintendent of the Ponce Electric Company. Frank McLaren is at 2,500 68th Avenue, Oakland, Calif. He is giving a consulting engineer the benefit of his eastern training. Furthermore, he does not seem to be particularly provoked because the average co-ed at the University of California is quite delightful and charming. Ed Kusmaul is a cadet engineer for the New Jersey Public Service. He is "at home" early Monday evenings and eventually nearly every night at 55 Prospect Street, East Orange, N. J.

Frank McGinnis is with the Claude Neon Lights, Inc., at 50 East 42d Street, New York. He very vigorously denied the reports of his engagement which have been circulating about.

Art Samuel and Sam Caldwell are instructing at the Institute this year and are also carrying on advance work. Neither Ken Bainbridge nor myself felt like leaving college either, so we are both down at Princeton studying physics. We will be very glad to have any of the men drop in on us. Next month, with the coöperation of some of the men in Group A, it is hoped to supply information of the remainder of the Class.

THOMAS J. KILLIAN, *Secretary*,

11 Graduate College, Princeton University, Princeton, N. J.

'26 Why, it is mete to ask, has tradition and convention made it a crime and a sin against the Lares and Penates of the Class Notes, for Ye General Satrap to omit the useless proclamation that prefaces the Course Notes? Whether there is anything or anybody to proclaim about,

whether Thornton Washington Owen has grown a moustache or Bean Lambert has shaved his off, whether Chia Wei Ou has achieved glory with the Cantonese Army, or Whit Ashbridge has married or joined the church, or Horace McMurtrie Bush has sold a bond, or Martin John Burgen bought one, or whether Harry Boardman and Francis van Buren have written any Course Notes — or, in short, whether or not there has been any news, the proclamation by convention must be written just the same. Without some real news to wax hallelujatic about it would be practically impossible for anybody less than Bruce Barton or Edgar A. Guest or Elsie Currier to concoct anything to which the reader would not be mentally anaphylactic.

Indeed something must be done, or the preface cannot again be written. Ralph Wellington Head of the Head Tailless Shirt Company might suddenly accomplish with his product a fashionable *tour de force*, or William Howard Emerson start the Emerson Insurance Company with a futuristic building of lapis lazuli shaped like a cornucopia and designed by Laing. Guy Stoddard Frisbee might discover new kitchen utensils which would make housekeeping for the struggling wives of '26 men an engaging adventure rather than a dismal drudgery. So are enumerated a few possibilities for news. When shall they become realities?

Your attention is directed to the Course X notes below for some controversial bellowing. Let the chorus increase! Last issue, notes for Course IV appeared for the first time. They arrived too late for the introductory trumpet blast usually piped by the Secretary. An *ex post facto* toot is now given.

J. R. KILLIAN, JR., *Secretary*,  
13 South Russell Street, Boston, Mass.

#### COURSE II

My star exhibit for this month will be a letter from Morton Woodason, who not only clears the mist away from his own occupation but also lifts the curtain on the whereabouts of several of those heretofore lost in the wide, wide world.

Of himself Mort reports that he is in the employ of the Atlantic Precision Company, which is owned by the Eastern Manufacturing Company, a big paper concern. His work is on a new device known as the weightmeter, which measures the variation in weight of any kind of insulating material such as rubber or paper with great accuracy. Apparently Woodie has an unlimited field for his talents, as the device is just beginning to be used, and its applicability to many fields seems assured.

He also relates that he and Dick Avery upheld the honor and glory of Course II at the first '26 dinner in Boston on December 13. Dick is working for Stone and Webster.—Endre Sziklas, who is with the Atmospheric Nitrogen Company, was back at school for Christmas. His headquarters are Rochester, N. Y., and at that time he was working on the design of a new plant to be built somewhere in Virginia. I understand he was looking for some members of the Course to supply his company with unlimited supplies of pre-heated raw material.

The Ingersoll-Rand Company's student course is being graced by two of our longest classmates, Phil Robinson and Doug Walker. Phil has earned distinction already, having charge of laying out the work for the students, and I understand Doug has also covered himself with glory, especially among the feminine portion of Pittsburgh.—Harold Gordon found the home ties pretty strong so he settled down in Lowell and is working in his father's sheet metal business there.

Two of the boys who belong with the Class of '26, but had to drop out on account of illness, will be back this year after their degrees. Werner Willmann and Mark Libbey, I understand, are both in good shape again and will be candidates in June.

I guess that about exhausts my information so if the boys want any more next month it's up to them.

JOHN B. JACOB, *Secretary*,  
1037 So. Kenilworth Avenue, Oak Park, Ill.



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1926 Continued

## COURSE VI

A few chance meetings, principally at the 1926 Class dinners at the New York Technology Club, and a few letters, very few, have given me a little news to pass along.

William F. Baker has abandoned his first love and says, "The old P. E. E. is fast but surely being lost in the 'Great Beyond.'" He is in the cotton business near Boston and likes it a great deal. — John Driscoll writes that he is taking the Graduate Student Course with the Westinghouse Electric and Manufacturing Company in Pittsburgh. Pittsburgh is somewhat of a come-down after Boston and the work radically different from that at Technology. He says, "I think, however, I can truthfully say that I never expected I could learn so much in such a short time, for when I see the machines actually being constructed in front of my eyes they seem to recall more vividly the reading matter. When the course is completed at the end of the year, we should have a fairly good idea of things in general, and I know for a fact that I shall never regret the time I have spent here." Gilmore, Mason, Ryan, Jerrett, Carlyle, and Bellaschi are also taking the same course with Westinghouse.

Eben Haskell has been busy on the radio and switchboard special tests in the Test Course of the General Electric Company in Schenectady. Refrigerators are next to occupy his attention. He says that work is a little slack because of the large number taking the course. We never found it that way with Course VI. Frank Wilkinson, Bill Goodridge, and Stanley Sawyer are also at General Electric in addition to the others mentioned in previous notes.

George Mikhalapov, D. A. Crawford, and Joe Merrick are drafting for Stone and Webster in Boston. — Tom Green had to take an extra course or two at the Institute, and so did not leave until October. On the first of February he began work with Habershaw Cable Company in Brooklyn. — P. S. Mancini started work in November with the New York Edison Company. He is in the Test Department, most of his work being on substations. — S. Shaheen is in the Testing Bureau of the Williamsburg Power Plant Corporation in Brooklyn. This company, for the benefit of those far from New York, supplies electricity for the B. — M. T. subway. — There has been a slight change in the Secretary's address. Please note it down and use it when sending in news. Yes, that is a hint.

A. SIDNEY BROOKES, *Secretary*,  
32 James Street, Newark, N. J.

## COURSE X

"The zero hour is again at hand," writes J. R. K., Jr., worthy Secretary of a ditto class, and as usual, the Course X Column is expected to go over the top. However, Jim adds "It is time for the periodical *tidal wave* of Course Notes," so far be it from us to flood The Review office with oceans of news.

Heading the list this month are the following of whom the Secretary has no record: Aylyes, Chan Dunham, Eastman, Ferguson, Gilgan, Hill, Hoar, Miss Quiggle, Robertson, Roetheli, Theisen, and Woods. If we can get just a line about, or better, from each of these before the end of next month, Course X can be proud of its news record in The Review. Of course we're proud of it anyhow, but we have to use some means of persuasion. Come on, you with the wooden arms, the rest of the Ten-ites want to know where you are punching the time clock, or have you all married the daughter (or son!) of the President of the company?

Wes C. L. Hemeon having crashed through with a heavy line, more or less after the fashion of the "Inquiring Reporter," will have the preferred position this month. First of all, Wes brings news which is cheerful music to the ears of the X-B, Group A gang. Our sturdy steed, "Run-Tin-Tin," still lives! "It has been pensioned off," writes Wes, "and now reposes quietly in the white garage of the Winchester Club House." The practice school Roll-Royce which "flew to pieces like an alarm clock in a baby's hands" near Greenfield, Mass., belonged to some other group of Pipe-Benders (we don't wonder that they are ashamed to admit ownership of said paralytic vehicle). Others besides Hemeon in X-A who finish up in June include Shepard, Oeffinger, Green, Warner, Kaufman, Biehle, Broughton, Kanga, Ou, Barker, LeDuc, Campbell, Voorhees, Dunning, Pink, Engs, and Cunningham. — Merrick, according to unconfirmed rumors, has just taken a position with the Simplex Wire and Cable Company in Cambridge.

Olie Olander writes a very juicy letter from the "Y" in Providence, R. I. His official position is chemist with the Oliver Johnson and Company, Inc., Paint Manufacturers. Olie admits that he is the whole laboratory, working in conjunction with the Factory Superintendent.

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- No. 1077. A young Technology man who does not mind leaving the engineering field may be interested in a \$4000 to \$5000 position as manager of a restaurant being opened in a popular city in New Jersey. It is one of a chain so this position is not the limit of possible advancement.
- No. 1078. A Technology graduate with a Doctor's degree is needed by a mid-west concern to carry on research and development in electronics and metallurgy of semi-rare elements. Salary up to \$5000.
- No. 1079. A concern which manufactures starch from corn, and so on, wishes to employ young college men to work up to be heads of its various divisions. There are opportunities for organic chemical engineers, electrical, and mechanical graduates. Location is in the Middle West.
- No. 1080. A firm of consulting engineers needs a high grade mechanical research engineer who can direct about twenty people on machine shop and gas welding work. This is in connection with a refrigeration development.
- No. 1081. A man who likes to travel and who is interested in servicing turbo-generators used on railroad locomotives is invited to apply. This position is a stepping stone to sales work. The concern interested will soon acquire other railroad accessories. Only men who can mix successfully with all types of workmen and executives should write in.
- No. 1082. Three or four 1926 men who wish to train for sales work with an optical corporation may be interested in positions in Chicago, Boston, New York and Philadelphia. The salesman in this line has plenty of opportunity to use his technical knowledge every day. A 1921 Technology man brought this to our attention.
- No. 1083. An engineering corporation in Chicago invites us to tell them about graduates who have had several years' experience analyzing costs, selling and renting building projects. Knowledge of relationship between cost of land and prospective building is important.
- No. 1084. An industrial engineer of at least five years' experience may be interested in a salary and business interest with an engineering concern in Chicago. One who can interest industries in more efficient handling methods and ways of manufacturing is needed.

*All inquiries should refer to numbers and should be  
addressed to*

## PERSONNEL SECTION

DIVISION OF INDUSTRIAL  
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C A M B R I D G E

1926 Continued

He finds the work interesting, et cetera, but hopes to locate in Boston some day, that he may live at home. Incidentally he mentions that he sees Deke Taylor quite often in Pawtucket. — Indirectly we have news from Sparky Turner. Three cheers for the solid South! Sparky, we hear, is still around the Institute, taking math courses and doing a thesis on sedimentation, and if you want to know Sparky's opinion of the subject, you'll have to send a self-addressed stamped envelope to yours truly.

We also have some second-hand information on Dave Shepard to the effect that Dave has taken the assistant director's position at the Winchester Station of the Practice School until June. Effort has been made to get a confirmation or denial from Dave, but his reply is still among those due.

Something unusual, unexpected and greatly appreciated, is a letter post-marked "Paris" from none other than our sweet-voiced sweet-heart of many a Tech Show, — Mac McCornack, himself. Mac furnished some interesting news about men "who are nominally '26 men," as he puts it. George Steele, IV, and Mac went to Paris in September and knocked around in Madrid, Seville, Grenada, and Barcelona (no mention of Valencia). After that, six weeks in Italy. Steele is said to have returned just before Christmas. Mac will be in Paris until April 1, care of Guaranty Trust Company of New York, 3, Rue des Italiens, Paris, France, then to Switzerland and Germany. Other '26 men whom he has met in Paris are Remson, IV, and Dudley Parsons, IX-B (there you are, Jim Killian, Course IX isn't "ob-mutescent and speechless" any longer!). Mac expects to return to the Institute in June to finish up work for his degree. "Oh, by the way," Mac adds, "I celebrated our twenty-first birthday in Florence with a couple of wonderful bottles of champagne, for if *Technique* and my memory serve, we're twins!" That's right, Mac, December 16 is when we started to broadcast! I almost forgot an important line of

Mac's — "I am waiting for an announcement of Criswell's wedding — I think he ought to get hooked up." That's that.

Speaking of Cris, let's get back to the faithful X-B's again. Just heard from Cris a few days ago. He and Paul Mahoney are now rooming together at the Narragansett Hotel, Providence, R. I. Both are working on the same job for Combustion Engineering, with about one more month of work to go. No telling where they may be shifted next, but Cris expects to get back to Detroit this summer.

Charlie McCulloch, sporting a new typewriter, informs me that there "are no new developments in the situation at Tidewater" (that's where Charlie is oiling the works). — Ed Gohr is highly satisfied with being in Boston and working in the Research Lab on several "hush-hush" problems. Then, just as a passing matter of interest, we know Concord, N. H., isn't so far off. Ed is rooming with Ted Mangelsdorf, ye able assistant in the Gas and Fuel Engineering Course. Ted, we hear, doesn't have to travel out of Massachusetts for his heart's desire, but he sure is traveling! Address Ed and Ted at 12 Merrill Street, Cambridge, Mass.

Colonel Jim Offutt continues to write me effervescing letters from Port Clinton, Ohio, where he and U. S. Gypsum are getting along famously. Jim recently spent some time in Cleveland, doing a little heavy reading in the library on patent data — with satisfactory findings. Ever vigilant for the welfare of his brother Benvenuto, the Colonel tells me that he has me all dated up with two Port Clinton beauties who are planning to do a little vacationing in Cumberland, Md. (where I now hang out), this spring or summer.

Walter Lobo landed in "Central Agabama, Santa Clara Province, Cuba," as planned, and is working hard, and then some, at the sugar game. He has been doing a combination of laboratory work and boiler house plant work. In his latest letter, he states that in April or May he expects to go north and then get a job for about three months in Peru at the same game. After that he hopes to get a position in his uncle's sugar house in Colombia. Walter insists that he is not "managing a sugar orchard or what not" as I insinuated in The Review notes recently. — Lee Cummings, our Secretary, writes that he has come in contact with several fortunes while working on the recovery of silver at the Eastman Kodak Company in Rochester during the past few months. "But that's all it means as far as I'm concerned." Incidentally, I trust that Lee told you of his own good fortune recently — yes, he's engaged to the most popular girl in the world — "the only girl." Course X's sincerest best wishes, Lee!

By the way, just a word about this "Class Baby" business. "Our" Norman C. Hill and Mrs. Hill, we are told, had a baby born about a year ago. Your Secretary doesn't think that those fellows who were

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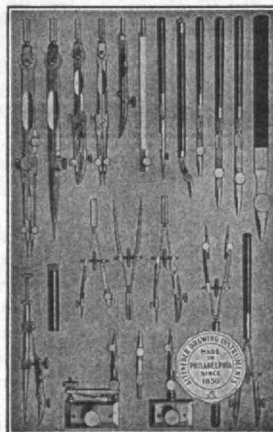


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married in school should count, but as long as Course II is trying to put something over, there is no use in letting them get away with it. As Lee says, the Course II Lieutenant Hill was only at the Institute for one year, while "our" Hill was there two years. All in all, we have a better case than Course II, and until we have more details, more discussion, and more disagreement, the case of Baby Hill versus Baby Hill is settled. Course X has the Class Baby! Investigation for more particulars is now being carried on, and we hope to have this matter straightened out and Course II squelched before long. Are you with us, X, X-B, X-A? Aye!

I am still in Cumberland, Md., working in the Main Lab of the American Cellulose and Chemical Manufacturing Company, where I started during the first week of January. Any questions about Celanese, that superior cellulose acetate silk (adv.) will be honored by

the undersigned. — By way of stealing some Course II and Course XV news and putting them in our column under the heading "Cumberland Technology Alumni," here's some more dope: LeRoy Copley, Ray Bete, and Don Chase (all Course II) have been working at the Kelly-Springfield plant (also just outside of Cumberland) since July, and by coincidence are eating at the boarding house where I hang my hat. All three are in the Engineering Department, working at desks alongside of each other, and seem to be healthy, happy and Cumberland-acclimatized. They may be addressed at the "Y" in Cumberland, Md.

Enough for this short month. Let's go, Ten-ites, Lee and I want to hear the latest from you before April 25!

J. B. GOLDBERG, Assistant Secretary,  
123½ So. Waverly Terrace, Cumberland, Md.

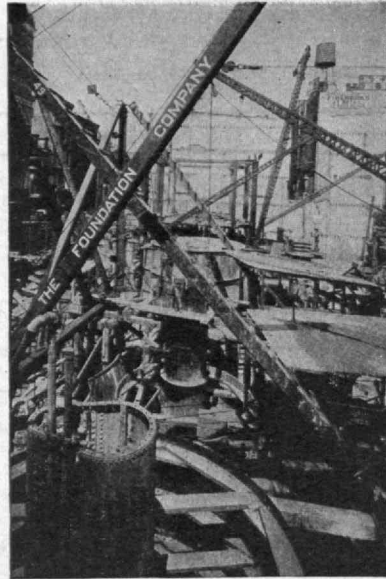


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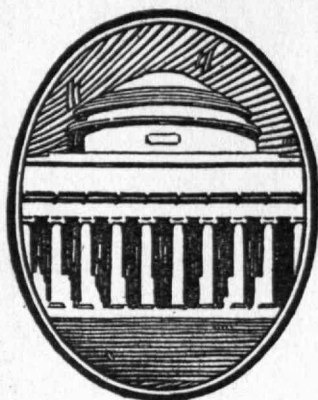
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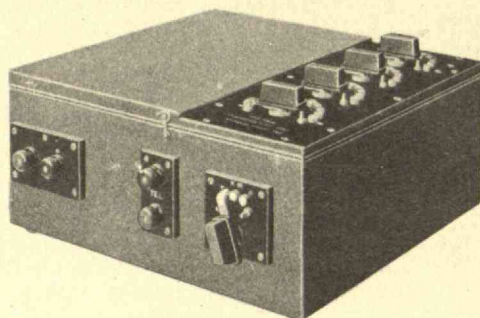
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